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Johnston Atoll Plutonium Contaminated Soil Cleanup Project 5th Quarterly Report 01 August 1994 to 31 October 1994

TMA/Eberline 601 Scarboro Road Oak Ridge, TN 37830

September 1996

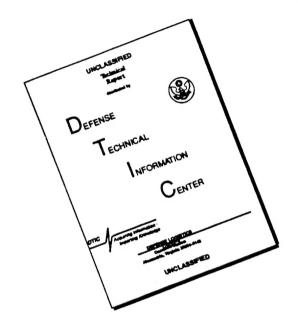
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13. ABSTRACT (Maximum 200 words)								

Thermo NUtech is the prime contractor for the Defense Nuclear Agency (DNA), responsible for the operation and maintenance of the Johnston Atoll Plutonium Contaminated Soil Cleanup Project. During this production period, the Scope of Work included movement of soil to and from the plant, processing contaminated soil through the Segmented Gate System (SGS) and Soil Washing System, packaging of waste soil for shipment, identification and implementation of process improvements, data collection and validation, and compliance with all applicable regulations governing environmental safety and health. The SGS utilizes arrays of sensitive radiation detectors coupled with sophisticated computer software to segregate contaminated soil from a moving feed supply on conveyor belts. Contaminated soil is diverted to a "hot" path for plutonium particles greater than 5000 Becquerels or to a supplemental soil washing process designed to remove dispersed low level contamination from a soil faction consisting of very small particles. Low to intermediate levels of contamination are removed from the soil to meet DNA's criteria for unrestricted use of less than 500 Becquerels per kilogram of soil, with no "hot" particles. The low level concentrate is expected to be packaged for shipment to an approved defense waste disposal site.

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SUMMARY

The Johnston Atoll Plutonium Contaminated Soil Cleanup Project (JAPCSCP) is a partnership between the Defense Nuclear Agency (DNA) and Thermo Analytical Inc. (TMA), whose goal is the environmental restoration of a 24 acre area of Johnston Atoll. This area was contaminated with Plutonium during atmospheric nuclear testing in 1962. The Project utilizes a combination of innovative radiation measurement technology and proven mining processes to identify and segregate Plutonium particles dispersed in coral sand. This project will benefit island residents and the environment by removing a radioactive hazard and by restoring valuable land to beneficial use.

TMA has operated the JAPCSCP under a prime contract to DNA since 06 August 1993. This contract calls for the processing of 100,000 metric tons of radioactively contaminated soil. This quarterly report summarizes JAPCSCP production, plant modifications and maintenance activities for the period from 01 August 1994 until 31 October 1994. During this period, a total of 6,129 metric tons of soil were processed. Authorized delays for the quarter totaled 2,425 sorter hours, or 606 regular hours, resulting in an adjusted production quota of 5,486 metric tons for this reporting period. The Project was 2,050 metric tons ahead of schedule at the end of the quarter.

The most significant event occurring this quarter was the complete evacuation of Johnston Atoll prior to Hurricane John and the subsequent recovery efforts. Damage to the island's infrastructure resulted in a two month halt in production. Damage to the JAPCSCP was minor in comparison to other island facilities but still required significant repairs prior to resuming operations.

CONVERSION TABLE

Conversion factors for ${\tt U.S.}$ Customary to metric (SI) units of measurement.

MULTIPLY	>	BY	>	TO	OBTAIN
TO OBTAIN	<	BY	<	DI	JIDE

cm	3.2808 E -2	ft
m²	3.861 E -7	sq mile
cm³	1.602 E -2	ft ³ /lb
g/cm³	62.43	lb/ft³
foot	3.048 000 X E -1	meter (m)
inch	2.540 000 X E -2	meter (m)
micron	1.000 000 X E -6	meter (m)
mil	2.540 000 X E -5	meter (m)
mile (international)	1.609 344 X E +3	meter (m)
liters/min	15.851	gal/hr
ounce	2.834 952 X E -2	kilogram (kg)
curie	3.700 000 X E 1	*giga Becquerel (GBq)
curies	3.7 E 10	dis/sec
curies	2.22 E 12	dis/min
curies	E 12	picocuries
Becquerel	2.703 E -11	curies
Becquerel	27.03	picocuries
rad (radiation dose absorbed)	1.000 000 X E -2	*Gray (Gy)

^{*}The Gray (GY) is the SI unit of absorbed radiation.

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INTRODUCTION

1.1 GENERAL.

This quarterly report covers the period of 01 August 1994 to 31 October 1994. The report summarizes soil processing operations during the quarter and outlines major plant modifications and maintenance performed during the period.

1.2 SCOPE.

TMA is the prime contractor responsible for the operation and maintenance of the Johnston Atoll Plutonium Contaminated Soil Cleanup Plant. Work scope for this project includes movement of soil to and from the plant, processing of contaminated soil through the Segmented Gate Sorter System (SGSS) and the Soil Wash System (SWS), packaging of waste soil for shipment, identification and implementation of process improvements, data collection and validation, compliance with all applicable regulations governing environmental safety and health, and preparation of documents and written reports for submittal to DNA.

1.3 OBJECTIVES.

The principal TMA objective is to process contaminated soil at the JAPCSCP in a manner that ensures the production quota is met and the best possible volume reduction is achieved. Other objectives of the project include continuously upgrading plant performance and insuring compliance with all applicable federal regulations.

1.4 PROJECT STAFF.

TMA is the prime contractor to DNA for operation and maintenance of the JAPCSCP. Permanently assigned project staff consists of the following positions:

PROJECT MANAGER

SITE MANAGER

QUALITY ASSURANCE/QUALITY CONTROL TECHNICIAN

HEALTH PHYSICS TECHNICIAN

PLANT SUPERVISOR

PLANT ELECTRICIAN

TECHNICAL ASSISTANT

PLANT TECHNICIANS (4)

1.4.1 Personnel Assigned During this Period.

ASSIGNED

AGUADO, I.

GRANT, R.

BROWN, J.

LAW, D.

CORDOVA, D.

MONTANO, R.

CORDOVA, P.

RICHARDSON, J.

DELOVATO, A.

TRUJILLO, H.

DOANE, R.

Other personnel or subcontractor personnel may be assigned periodically on a temporary basis.

1.4.2 Project Management.

Project management and contract administration is provided by TMA, Oak Ridge. On-site supervision and soil processing operations are conducted by the Site Manager.

PROJECT SCOPE

2.1 STATEMENT OF WORK.

DNA Contract Number DNA001-93-C-0148, Attachment 1, Statement of Work for Plutonium Contaminated Soil Cleanup Plant Operation, 24 March 1993, contains the scope, background, and objectives of the Statement of Work. Applicable documents, requirements (tasks), plant operations maintenance, waste disposal, plant decommissioning, safety and health, and engineering drawings are topics listed in the Statement of Work.

2.2 GOVERNMENT FURNISHED SERVICES.

DNA Contract Number DNA001-93-C-0148, Attachment 2, Government Furnished Services contains all equipment, material, and services the Government will provide to the Contractor to operate and maintain the soil cleanup plant.

2.3 MODIFICATION TO STATEMENT OF WORK.

One modification to the Statement of Work was made during the this period. On 31 August 1994 modification number P00003, which contained a limited stop work order directing that production activities cease until 30 September 1994. This was necessary due to limited on-island support available as a result of damages sustained during Hurricane John. TMA was directed to maintain an on-island presence of two personnel who were tasked with repair of hurricane damage.

PROJECT MANAGEMENT

3.1 TMA PROJECT MANAGEMENT.

Project Manager - R. W. Doane

Contracting Officer - D. M. Robie

3.2 DEFENSE NUCLEAR AGENCY.

Contracting Officer - Mr. D. Gonzales

Assistant CO - Ms. C. Brice

Project Manager - Maj J. Kimbrell

Project Engineer - MAJ M. Melanson

Project NCOIC - SFC D. Richter

3.3 TMA PERSONNEL ON-SITE.

Site Manager - R. Grant

Plant Supervisor - J. Richardson

QA/QC - J. Brown

Technical Assistant - A. DeLovato

Health Physics Technician- H. Trujillo

Electrician - D. Cordova

Plant Technician - P. Cordova

Plant Technician - I. Aguado

Plant Technician - D. Law

Plant Technician - R. Montano

OUALITY CONTROL SAMPLING

4.1 QUALITY CONTROL SAMPLING.

Quality Control (QC) Sampling measurements verify that the soil sorting process is in control by identifying any activity levels in the clean pile which approach DNA's release criteria of 500 Bq/kg TRU activity, with no particles in excess of 5,000 Bq. QC measurements were made both by direct Field Instrument for the Detection Of Low Energy Radiation (FIDLER) surveys and by the collection of grab samples from the clean pile for analysis with a shielded chamber FIDLER. Grab samples collected were split, with the split sample being analyzed by on-site DNA staff for independent verification. Appendix A contains QC sample results.

4.2 DIRECT SURVEYS.

Direct FIDLER surveys of the pile were conducted at approximately two hour intervals during plant operations using a calibrated FIDLER probe and an Eberline ESP II Ratemeter. The instrument was calibrated for the detection of the 60 KeV photon from AM-241 and then corrected for total TRU using a known ratio. Normal background in the area for this instrument is 200-300 dps. The alarm setpoint is 500 dps. This setpoint is nearly a factor of 20 below the required action level, however, any particles which cause an alarm are removed from the pile. No discrete particles in excess of 5,000 Bq were detected by these surveys. Survey efforts were hindered by damage to the FIDLER probes which occurred during the island surveys performed by others after the hurricane.

4.3 GRAB SAMPLING.

Grab samples are taken from each clean pile as it is created at approximately two hour intervals. Samples are split for independent verification by DNA and analyzed in the on-site laboratory. A predetermined mass is weighed and sealed in a Petri dish and then analyzed. Samples are counted using a Bicron FIDLER in a shielded chamber, connected to an Eberline MS-2 Mini Scaler. Appendix A, Table 1 is a listing of all QC Samples taken during the quarter.

There were a smaller number of QC samples taken this quarter due to the hurricane evacuation and recovery efforts. Production for the quarter was limited to 5,261 metric tons by the hurricane, compared to over 12,000 tons the previous quarter. This reduced production and the resultant decrease in the number of QC samples drawn complicated the caparison of this quarter's results to those of last quarter. There were three days during the quarter on which QC samples were found to exceed 500 Bq/kg. In each case the sample was split and found to contain a single particle which exceeded 500 Bq, but not 5,000 Bq. All three piles were released. This seems to indicate an improvement over last quarter in which samples exceeded criteria on eleven days and several small piles required reprocessing. This improvement can be partially attributed to the decreased production and particularly attributed to the lower specific activity of most of the soil processed this quarter.

SAFETY AND HEALTH

5.1 SITE SAFETY AND HEALTH PROGRAM.

The JAPCSCP has implemented a Site Safety and Health Program which addresses the safety hazards expected on the project such as standard industrial safety practices for work around heavy equipment, heat stress and radiological safety. No hazardous chemicals are expected on the project. The primary radiological hazard expected on the project is internal exposure of workers to transuranic radioactive materials. In order to insure protection of workers and island residents, a comprehensive Air Sampling and Contamination Control Program has been established.

5.2 AIRBORNE RADIOACTIVITY MONITORING.

Air samples are taken continuously at various locations around the plant during operation and analyzed on site. Air sample results are compared to the Pu-239 "Y" retention class criteria provided in 10 CFR 20, Appendix B, Table 1. The Derived Air Concentration (DAC) value for this isotope and retention class is 7 E-12 bCi/ml. An administrative limit of 20% of the DAC value has been established to preclude the need for tracking DAC-Hours. No air samples drawn this quarter approached 20% of the DAC. Appendix B contains results for air samples performed during the quarter.

5.3 ROUTINE CONTAMINATION SURVEYS.

Weekly surveys were performed in building 795 for loose surface alpha contamination. No removable alpha contamination was noted by these surveys this quarter.

5.3.1 Daily FIDLER Surveys.

A scan survey is performed daily in all office, eating, drinking, smoking, and latrine areas in or adjacent to building 795. These surveys are performed using a calibrated FIDLER Probe with an Eberline ESP II Survey Instrument set in the PHA mode with a 60 KeV widow to detect the AM-241 photon. Any activity noted which exceeds two times the background is recorded on the daily survey and remediated. No contamination was noted in the clean area this quarter.

5.4 PERSONAL PROTECTIVE EQUIPMENT.

Personal Protective Equipment (PPE) such as Anti-Contamination Clothing, Safety Shoes, Safety Glasses, Hard Hats and Hearing Protection are issued to each worker. Specific PPE requirements for each work situation are dictated on a case by case basis.

5.5 PERSONNEL MONITORING.

Personnel monitoring for internal exposure to Plutonium is accomplished through routine urine samples submitted to DNA to be forwarded to the US Air Force Radiological Health Laboratory. All sample results received to date have indicated less than minimum detectable Plutonium activity.

All personnel monitor for contamination prior to exiting the RCA or entering building 795. There were no personnel contaminated during the quarter.

5.6 RECORDS AND REPORTS.

Survey records are maintained on file in building 795.

PLANT MODIFICATIONS AND MAINTENANCE

6.1 PLANT MODIFICATIONS.

No significant modifications to the plant were made during this quarter.

6.2 MECHANICAL MAINTENANCE.

Mechanical maintenance performed this quarter was primarily routine preventive maintenance. Some recovery was required after the hurricane, including wash down and lubrication of all conveyors, replacement of belts blown off by the high winds and collection of debris from the site and settling ponds. Routine valve maintenance was performed on plant air valves and soil wash system valves as required. A new sheave was installed on the daybin conveyor motor to reduce belt speed.

6.3 ELECTRICAL MAINTENANCE.

Hurricane John had a significant impact on plant electrical components. Upon our return to the island after the storm, all components were checked for grounds and eight motors were found to be damaged. All eight motors were removed and replaced. Damaged motors were disassembled and baked by RSN Generator shop personnel and returned to service. A junction box for the Unit 3 and 4 Sorter Feed Scales was found to contain water resulting in damage. That box was repaired and the scale recalibrated.

Another electrical project completed after the hurricane was the rewiring of the crusher. After the Seabees completed repairs on the

crusher in August, an RSN inspection revealed deficient wiring. RSN was unable to make the necessary changes in a timely manner due to the heavy work load after the hurricane; so DNA requested that our electrician complete the necessary modifications. New conduit and wiring was run and the crusher was rewired in accordance with the specifications provided by RSN.

The final plant electrical problem noted this quarter was an inability to maintain the appropriate sorter belt speed for Units 3 and 4. Trouble shooting was performed on the Variable Frequency Drive Motor Controllers. No faults were found on the controllers, however, the programming was modified to provide a wider operating band. This corrected the error and allowed the belt to run within specifications.

6.4 ELECTRICAL MAINTENANCE AND CALIBRATION.

The semiannual electronic calibration of the sorters was performed the week of 10 October 1994. Numerous problems were discovered with electronic components. A total of six detectors, six detector boards, two Master Controller boards and two modems required replacement. In addition, two detector boards were repaired and reused. Upon completion of these repairs, all four units were recalibrated and efficiency determinations performed.

6.5 EFFICIENCY DETERMINATIONS.

The efficiency determination procedure was further revised to address DNA concerns. For particle efficiencies the source was passed beneath each detector a total of 30 times. The average of those 30 passes was used as the particle efficiency and the data was analyzed for statistical flaws. The distributed efficiency is in essence an average of the efficiencies for detectors 1-8. For distributed

efficiencies, the source was passed under each detector 6 times. The average of those six values was entered as the detector distributed efficiency. The system then takes those eight values and averages them to establish the system distributed efficiency. The system distributed efficiency is the value which is used by the Master Controller board for all distributed activity determinations.

6.6 ROUTINE PREVENTIVE MAINTENANCE.

A regular preventive maintenance program was followed in order to minimize plant downtime. This program included daily and weekly lubrication of plant equipment, weekly cleaning of sorter belts and gates, and weekly gate timing checks. Corrosion control activities were performed as required.

6.7 TESTING AND SPECIAL EVOLUTIONS.

One special evolution was performed during this quarter. During the week ending 23 October 1994, Sorters 3 and 4 belt speed was reduced to 20 feet per minute. Efficiency determinations were made at that belt speed and a test was run to determine if system capability to sort material containing high particle activity was significantly improved by the lower belt speed. The units were started and pre-operational checks were preformed as normal. The source of feed for the test was the hot particle pile which contains material that was diverted at 30 feet per minute due to hot particles. Much of the material in the hot particle pile is coral sand which could be released. This material is clean material which is diverted along with the Plutonium particle. Due to the large amount of this material which has been compiled to date, a cost effective method of further volume reducing the stockpile is needed. Approximately five tons of this material was processed with over 90% diverted as contaminated. It was concluded from this

test that the high concentration of particles present in this material eliminates the systems capability to sort effectively due to the limitation of counting statistics incurred when a large number of time slices are removed from the distributed matrix. After the test, the belt speed was returned to 30 feet per minute and the efficiencies returned to their previous values.

6.8 DOWNTIME.

Downtime is defined as that portion of the normal 60 hours per week work schedule in which soil processing is not accomplished due to routine plant maintenance or repair. Normal start-up and shut-down time, time spent on modifications or testing required by DNA or other delay time authorized by DNA, does not count as downtime. There were 30 hours or 4% devoted to plant maintenance and unscheduled repairs this quarter. The contract requires that downtime be maintained less than 40%.

6.9 DAILY OPERATIONAL CHECKS.

Daily and weekly operational checks are performed on each unit in order to verify proper function of the system. Prior to start-up each day, background count levels are checked on each sorter. A source check is performed on individual detectors to verify that they are functioning and to verify that the gate actuates at the proper time to catch a simulated hot particle. The sorter belt speed is timed twice per day during operation to verify that it is within specification. Source checks are performed again twice per day during operation. Gate actuation times and the sorter belts are checked weekly and the sorter belts are washed down periodically to prevent a gradual increase in background which would reduce system efficiency. Semiannual electronic calibrations and efficiency determinations are

also performed to insure continued safe and efficient plant performance. These operational checks, combined with the daily clean pile surveys and sampling, serve to provide quality assurance for the program.

SOIL PRODUCTION

7.1 PRODUCTION TOTALS.

During this quarter of the contract period, 6,129 metric tons of soil were processed. This total included 5,261 metric tons of soil which met DNA release criteria and 868 metric tons of soil which were diverted for further processing. The average weight reduction for soil processed this quarter was 82%. Detailed data on soil production for the quarter is included in Appendix C.

7.2 AUTHORIZED DELAYS.

Authorized delays include halts in soil processing due to inclement weather, performance of DNA required testing or modifications and non-availability of government furnished equipment. Weekly reports listed delay periods for each week as approved by the DNA Project Engineer. Delays for each week adjusted the contract specified production requirement of 1,886 metric tons weekly. Each sorter-hour of authorized delay reduced the weekly quota by 7.9 metric tons. For example, if rain resulted in a full day's loss of production, 40 sorter hours would be lost (4 sorters x 10 hours per day). This would result in a reduction of the weekly quota by 316 metric tons (40 sorter-hours per day x 7.9 tons per sorter per hour).

A total of 60.6 days were recorded during the quarter as authorized delays. This large delay was primarily due to the evacuation of the island on 25 August 1994 in anticipation of the arrival of Hurricane John. The JAPCSCP staff did not return to the island in full force until 17 October 1994. The reduced staff present in the interim performed repairs due to damages inflicted by the storm. The weekly

production quota was adjusted to allow for authorized delays as approved by the on-site DNA Project Engineer.

7.3 PRODUCTION VERSUS QUOTA.

Total soil processed during this quarter exceeded the quota for the period by 643 metric tons. The total production for the contract to date exceeds the contract quota by 2,050 metric tons.

7.4 PRODUCTION RECORDS.

Appendix C contains the Daily Production Records for this reporting period, including the Daily Work History totals and the JA Soil Cleanup Log Overall Summary Report.

7.4.1 Mass Processed Data Comparison.

One of the ongoing project goals is to maintain close agreement in the mass process data calculated by the JACC software and that provided by weigh scales. To this end, a regular calibration and maintenance program has been instituted for the scales and feed density is measured regularly and input into the software. Mass processed this quarter, as reported by the software, was 6,129 MT. Mass processed according to the sorter feed scales was 6,223 MT. The difference in those values is 94 MT, or about 1.5%.

7.5 SUMMARY.

The Johnston Atoll Plutonium Soil Cleanup Project was impeded by island evacuation and Hurricane recovery efforts this quarter. The production quota was reduced to 5,486 MT. Most of TMA personnel were off-island from 25 August 1994 until 17 October 1994. Units 3 and 4

were brought back on-line after the repairs to the rock crusher. A total of 39,343 MT remain on the base effort. Full scale production, installation of the pond dredging system and further research on hot particle material volume reduction are the major efforts projected for the next quarter.

ATTACHMENT 1

STATEMENT OF WORK

FOR

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PLUTONIUM CONTAMINATED SOIL CLEANUP PLANT OPERATION

1.0 SCOPE

The required work is to maintain and operate the Johnston Atoll (JA) plutonium contaminated soil cleanup plant. It includes hauling soil to and from the plant, processing contaminated soil, removing clean soil, packaging waste, recommending and making process improvements, developing data to demonstrate the process is under control, operating safely and efficiently, and preparing written reports. It requires development and maintenance of a decommissioning plan and implementing the plan at project completion.

1.1 Background

- a. The Defense Nuclear Agency (DNA) has built a unique plant to clean plutonium contaminated soil that is at Johnston Atoll (JA). The plant was constructed in 1989 and significantly improved in 1991. It combines conventional mining technology with sophisticated radiation detection equipment. By mining, most of the soil becomes suitable for use without radiological restrictions.
- b. Johnston Atoll is 800 miles southwest of Honolulu, Hawaii. In 1962, nuclear weapon tests contaminated a significant portion of the island with plutonium. The contamination now is in a complex and uncertain pattern throughout a 24-acre area. It is present as both isolated point sources ("hot particles") and volume sources ("dispersed contamination") in otherwise clean soil. (Hot particles are much larger than particles making up dispersed contamination.) The soil enclosing the contamination totals about 100,000 cy.
- c. The Government performs in situ radiological surveys to pinpoint the location of contaminated soil. It uses earth moving equipment to excavate the contaminated soil and haul it to a stockpile area downwind of the cleanup plant. It screens the soil to separate minus 1/2 inch from plus 1/2 inch. The oversize soil is inherently clean, but it must be reduced to minus 1/2 inch for processing through the plant to ensure it is clean. The contractor processes the plus 1/2 fraction through a crushing system in the stockpile area to reduce it to minus 1/2 inch. The crushed soil (mostly clean) is processed through the plant separate from the minus 1/2 inch soil (some contamination) to prevent cleanup by dilution.
- d. The cleanup plant has two process paths. The Contractor feeds the minus 1/2 inch contaminated soil into a hopper at the start of path one. The hopper underflow conveys beneath magnets to remove any steel rubble and onto a vibrating screen to remove any plus 0.5-in gravel which may be present. The minus 0.5-in soil splits and conveys in a thin layer on two 3-foot wide flat belts beneath radiation detectors. A computer processes radiation signals and controls the position of eight gates across each conveyor end. In one position a gate allows soil to fill to a conveyor for removal to a clean soil pile. In the other position a gate diverts soil to a "hot soil" conveyor for further processing. Each gate can remain in either position for as little as two seconds. These conveyor systems are called sorter 1 and sorter 2.
- e. The hot soil conveyor has a single gate at its end. The computer gates soil with hot particles to a waste container and dispersed contamination through a surge bin to a spiral classifier. The classifier mixes water and soil, and it decants suspended fine particles while simultaneously draining and conveying coarse particles out of the classifier. The fine particles, rich with dispersed

contamination, are pumped to a settling pond. Pond sediment can be removed and recycled or packaged as waste. The coarse and predominantly clean soil from the classifier is discharged to the ground for air drying and subsequent sorting to verify cleanliness.

- f. The second process path also has a hopper, splitter, and two multi-gate soil sorters. These sorters are called sorter 3 and sorter 4. The Contractor uses this path primarily for processing crushed oversize soil and soil which has been washed of fines. The path is also used for special work such as reprocessing hot particle concentrate. The hot soil conveyor from sorters 3 and 4 connects to the conveyor which sends contaminated soil to the surge bin.
- g. The plant has numerous weigh scales and mass and volume flow meters. It has speed controllers for precisely regulating speed of sorting conveyors, and controls for testing sorter gate response times. Soil density gages and feed soil radiation monitors are to be installed.
- h. The plant is controlled from a computer console in an office adjacent to the plant. The computer records data on plant performance including summaries of radiation measurements every 20 seconds. Data are processed by personal computer and analyzed for assuring process control and material balance.
- i. The improved mining plant was tested and made operational in 1992. To 13 Mar 93, 115 days were devoted to processing soil on a production basis. These 10-hr workdays averaged 1.9 hrs for plant startup, 6.0 hrs of processing, 1.4 hrs for shutdown, and 0.7 hrs for system pause. About 10,800 tons of soil were processed. This is equivalent to 8,600 cy of soil in the ground. The daily processing rate averaged about 94 tons, but the trend was increasing and several days exceeded 180 tons. All soil fed to the plant came from contaminated ground, and 98 percent was clean at less than 500 Bq/kg after processing. The average specific activity for clean soil was 59 Bq/kg. The plutonium recovered totalled 980 MBq and 300 mg. Performance statistics were developed from 270,000 radiation count records produced by the plant computer.
- j. The plant is still being perfected. The computer program which controls gates has progressed to version 10.0. An independent verification and certification of the program identified some bugs and opportunities for program improvement. Some inconsistencies persist concerning material balance. Additional diagnostic instruments are needed. (Section 1.1.g.) The rock crushing system is being replaced. The JA environment is harsh, and the remote location creates logistics problems. Some research and development is in process, and the results may suggest the need for plant or cleanup process modifications.
- k. The cleanup of plutonium contaminated soil at JA may be completed as early as 1995. The effort will eliminate a radiological hazard and improve the environment. The small amount of waste will be sent to an approved waste handling facility. The clean soil will be returned to the ground and used in construction projects for fill or bedding.

1.2 Objectives

This Statement of Work (SOW) lists specific tasks and services required by the Contractor in support of the Johnston Atoll plutonium contaminated soil cleanup project. The principal Contractor work involves processing contaminated soil through the soil cleanup plant.

2.0 APPLICABLE DOCUMENTS

a. Johnston Atoll TRU Soil Cleanup-Up Project, Assembly & Demonstration of the "TRUclean" Soil Clean-up Plant, (Phase One DRAFT), 17 Aug 89.

- b. Johnston Atoll Plutonium Contaminated Soil Cleanup Project, Annual Report, Phase Two, Plant Modification, Performance Testing, and Operation, October 15, 1992.
- c. Johnston Atoll Plutonium Contaminated Soil Cleanup Project, Annual Report, Option Period One, December 31, 1992.
- d. Contamination Monitor Technical Manual for Johnston Atoll Conveyor System, TMA/Eberline, October 1991, Revised to version 8.0.
- e. JA Soil Cleanup Plant Computer Source Code and Operations Manual.
- f. JA Soil Cleanup Plant Project Management Plan.
- g. JA Soil Cleanup Quality Assurance Plan.
- h. JA Soil Cleanup Plant Operating Procedures.
- i. Memorandum for TMA, Subject: Guidance for Plant Decommissioning and Maintenance, September 15, 1992.
- j. JA Soil Cleanup Plant Decommissioning Plan.

3.0 REQUIREMENTS (TASKS)

The Contractor shall accomplish the tasks listed under the following task categories. The contractor shall revise the Project Management Plan to detail its approach to fulfilling these tasks and other contract requirements. (CDRL, 4)

3.1 Work Periods

- a. Work will commence at Johnston Atoll within 15 days after contract award. A new contractor will have no more than two weeks at the work site for familiarization with the soil cleanup plant. Additional time will be allowed for a new contractor who cannot receive instruction from the incumbent contractor, or in the event the plant has been idle for an extended period at contract award and repairs or abnormal maintenance is necessary.
- b. The normal workweek at Johnston Atoll will be from Monday through Saturday. Weekly production quotas stated below are for the period Monday through Saturday. The quotas will be prorated for short weeks due to holidays, plant modifications and modification tests approved by the DNA project manager which cause lost time, and at the start and end of operations as for the week when there is no more contaminated soil to process.
- c. For determining weekly production and percent downtime (no production as a percent of available hours), (1) "production hours" are the greatest net sorting hours reported by the plant computer for sorter 1, sorter 2, or sorter 4, and (2) "available hours" are the actual work hours reduced by any hours for scheduled plant modifications and testing of modifications. "Net sorting hours" are obtained from the plant daily log summary after exclusion of records which do not reflect true production. Excluded records include those reported when the sorter conveyor is empty or when a system test is conducted.

3.2 Plant Operations

(For quantities with "tons" as a mass unit in this section, the ton is metric and equal to 1,000 kilograms (kq).

- a. Furnish equipment operators to haul soil from the feed-soil stockpile area and feed soil to the cleanup plant. Process soil through the plant until DNA decides there is no more soil to process. DNA will remove clean soil from the plant to the lay-down area toward the east of the plant.
- b. Furnish equipment operators to haul soil and run soil through the cleanup plant. Process soil through the plant until DNA decides there is no more soil to process. Remove clean soil from the plant to the lay-down area toward the east of the plant.
- (1) Process the minus 1/2-inch predominantly contaminated soil through sorter 1 and sorter 2. The minimum weekly production rate for both sorters is 900 tons total. (Section 3.1.) This rate applies for the type of soil which has been processed to date and which leads to a weight reduction over 90 percent.
- (2) Process the plus 1/2-inch predominantly clean soil through sorter 4. This oversize soil is first crushed in the sizing/crushing system. The minimum weekly production rate for sorter 4 is 400 tons as long as there is a supply of crushed soil. (Section 3.1.)
- (3) Remove hot soil diverted from the plant at the hot particle gate to a storage area for subsequent treatment. For hot soil not diverted, process soil through the washing loop to remove fine particles before the 80-ton surge tank fills. Remove the washed soil to a storage area for subsequent treatment.
- (4) Reprocess soil from the storage areas in (3) above through sorter 3. Assay the concentrate after recycle and package for waste disposal. Sorter 3 may also be used to process crushed oversize soil to reduce backlogs and improve performance.
- (5) Manage the settling ponds which receive fine soil removed by the soil washing loop. Remove sediment when necessary to prevent exceeding pond capacity. Assay the sediment and package for waste disposal. In the event research and development by others leads to a beneficial method for concentrating plutonium in sediment, process sediment by that method before packaging for waste disposal.
- b. Maintain an efficient operation which has downtime for primary sorters 1 and 2 of less than 40 percent. (Section 3.1.)
- c. Continue processing or reprocessing soil until waste mass is reduced to the point of diminishing returns where the cost of additional cleanup exceeds the cost of disposal or the waste mass is sufficiently small and concentrated that it may be stored securely on Johnston Island pending disposal at an approved transuranic element waste disposal facility. Based on the estimated volume of soil to be processed (100,000 cy or 125,000 tons), estimated disposal costs, and programmed budget, at least a 98 percent weight reduction overall is required. ("Weight reduction" is ratio of clean soil mass to process soil mass expressed as a percent.)
- d. Produce definitive data on a regular basis to demonstrate the plant process is under control. Data shall include measured weights and volumes. If data do not show material balance, determine the cause and remedy the deficiency. (CDRL, 3)
- e. Provide definitive data on a routine basis that clean soil meets contract specifications, production meets or exceeds quotas, time utilization holds downtime to less than 40 percent, and sorting records from the daily log are complete with inconsistencies either absent or being corrected. (CDRL, 3)
- f. Revise and maintain plant operating procedures as necessary so the written procedures accurately state the steps necessary for operating the plant safely and properly. (Section 2.g.)

- g. Revise and maintain the quality assurance (QA) plan (Section 2.f) as necessary to provide assurance the QA objectives, stated in the project management plan (section 2.e), are fulfilled in compliance with DOE Order 5700.6A. Obtain approval from the DNA project manager before implementing changes.
- h. Perform other tasks as required to make soil cleanup efficient and satisfactory within the scope of this Statement of Work. (CDRL, 5)

3.3 Plant Maintenance

- a. Maintain the plant including hardware and software. Provide personnel with adequate skills to identify and diagnose problems and correct the problems or cause them to be corrected.
- b. Develop and implement a preventive maintenance and corrosion control program which aids in reducing plant downtime and repair costs, and extends plant life at least until the total inventory of JA contaminated soil is processed. Maintain all assigned government furnished property, including any which is inactive or removed from the plant and placed in storage at the operating site.
- c. Maintain a spare parts inventory to minimize downtime. Identify critical spare parts, considering mean time between failures, by nomenclature, quantity, vendor, and estimated costs. Submit purchase requests for spare parts to the DNA project manager to avoid production delays due to lack of spare parts. Allow sufficient lead time on purchase requests for compliance with Federal Acquisition Regulations. Provide a list of suggested suppliers, estimated costs, and estimates of weight and cube for use in determining transportation costs. (CDRL 9, 10)

3.4 Plant Improvements

- a. Evaluate ways to improve the plant as part of continuous process improvement. Present concepts to the DNA project manager for approval. (CDRL, 6) When approved, proceed with planning for the improvements.
- b. For improvements which require procurement of components, prepare procurement packages listing salient features and minimum requirements, estimated costs, and suggested suppliers. Submit procurement packages to the DNA project manager for procurement. Allow sufficient lead time on purchase requests for compliance with Federal Acquisition Regulations. Provide estimates of weight and cube for use in determining transportation costs, and spare parts and support requirements. (CDRL, 9)
- c. Develop schedules for implementing improvements and detail any support services and equipment needed for the implementation.
- d. Continue to perfect the plant computer program and submit the revised code and software user's manual to the DNA project manager. (CDRL, 5)

3.5 Waste Disposal

- a. Assay and package waste soil and other radioactive waste for transport and in compliance with Departments of Transportation (DOT) and Agriculture (USDA) rules and regulations.
- b. Place any packaged waste soil in dry cargo freight containers or other storage facilities as directed by the DNA project manager for interim storage pending removal from JA.

- c. Prepare shipping papers as required to transport waste soil from JA to a radioactive waste disposal facility. The papers should be complete and accurate to prevent penalty to DNA from violations of rules and regulations.
- d. When directed by the DNA project manager, prepare documents as necessary for compliance with waste disposal regulations so that waste is accepted at the disposal facility without penalty to DNA due to violation of rules and regulations.

3.6 Plant Decommissioning

- a. Revise as necessary the plant decommissioning plan so it is up to date and ready for implementation (Sections 2.h and 2.i.)
- b. For components prematurely retired from the plant with useful life remaining, prepare the components for disposition when removed. Preparations may include decontamination, application of protective materials, packaging, and removal from the JA radiological controlled area.
- c. When directed by DNA, implement the decommissioning plan. NOTE: Decommissioning is not expected until the JA plutonium contaminated soil cleanup project is complete.

3.7 Safety and Health

- a. Provide for the safety of personnel within the radiological control area in compliance with the Occupational Safety and Health Standards, US Code of Federal Regulations, Title 29, Part 1910.
- b. Maintain a radiation safety program to ensure control of contamination and personnel doses below limits and as low as is reasonably achievable.

3.8 Engineering Drawings

- a. Maintain a complete library of engineering drawings and instruction and service manuals for components of the plant at the work-site. (CDRL, 1) Update engineering drawings as necessary to show "as is" conditions.
- b. For plant modifications, develop engineering drawings (CDRL, 1).
- c. Maintain a current index of engineering drawings and manuals.

3.9 Reports

- a. Prepare and submit written work according to requirements of the contract data requirements list (CDRL). Reports including documents, logs, memoranda, correspondences, and other written materials are critical to ensuring success of the cleanup project. They must contain accurate and true data. They must be well organized and written in English with good grammar and style. Where deadlines exist, they must be submitted on time. (CDRL, 7)
- b. In addition to financial reports required elsewhere by the Contract, prepare Funds and Man-hour Expenditure Reports and submit to the DNA project manager and DNA contracting officer. (CDRL, 2)

ATTACHMENT 2

GOVERNMENT FURNISHED SERVICES

The Government will provide all equipment and material to operate and maintain the soil cleanup plant, and

- a. Furnish electricity and water service for the soil cleanup plant.
- b. Provide subsistence and quarters and related support for contractor personnel assigned full-time to the project.
- c. Provide billeting for occasional Contractor top management visitors. The contractor is to provide an estimate of travel to include number of individuals, how long, and purpose. Government transportation will be made available if necessary. (Costs are to be paid by Contractor.)
- d. Provide a fork-lift and front end loader capable of lifting palettes and other general work for use by contractor certified operators.
- e. Provide overall radiation safety support, exclusive of plant operations, to include protective clothing, respirators and equipment for plant personnel, liquid nitrogen to operate germanium detectors, and dosimetry services. (The cleanup contractor will be responsible for packaging contaminated clothing for disposal and for laundering noncontaminated protective clothing.)
- f. Provide repairs, common supplies as requested by the contractor (to exclude routine office supplies), and other support services as necessary and subject to the approval of DNA.
- g. Deliver contaminated soil to the vicinity of the cleanup plant feed point so as to sustain a rate of 1,000 tons per week.
- h. Remove clean soil from the plant service area and the RCA. As much as 2,000 tons may accumulate in piles at either stacker boom before it must be relocated.
- i. Provide containers and palettes as necessary for handling radioactive waste.
- j. Remove packaged radioactive waste from the RCA and load to ship for sealift to a CONUS disposal facility. A single shipment is expected at project completion.
- k. Grade and contour areas after contaminated soil has been removed for cleanup.

- 1. Provide accounting services for on-island support.
- m. Provide routine US postal services. (Costs are to be borne by the Contractor.)
- n. Provide custodial services for office spaces in Building 795, the plant control facility.
- o. Provide available health services for Contractor personnel. (Costs are to be borne by the Contractor.)
- p. Provide available packing and crating service as requested by the Contractor and approved by DNA. This requirement is not expected to be frequent, but only in instances when plant components must be returned to vendors for repairs pertaining to the operations of the plant.
- q. Provide scheduling, ticketing, orders for AMC flights and other routine transportation services for Contractor personnel. (Costs are to be borne by the Contractor.)
- r. Provide services for transport of oversized waste containers as approved by DNA.
- s. Provide cargo palette service, including off and on loading of liquid nitrogen containers transported weekly between Hickam, AFB and JA.
- t. Provide aircraft cargo services for plant components (repair and replacement parts) as required.
- u. Provide routine services and general maintenance as necessary for Building 795 and grounds.
- v. Provide routine refuse disposal from the RCA.
- w. Provide JA internal mail distribution.
- x. Provide and maintain at least one telephone hookup in Building 795. Currently two numbers (2011 and 2033) are provided, and one is available for FAX transmission.
- y. Handle message traffic from the Contractor.
- z. Provide morale, welfare and recreation services for contractor personnel as provided for other island personnel.
- aa. Provide office furnishings within Building 795 as available and approved by DNA.

- ab. Provide POL for vehicle(s) operated by the Contractor.
- ac. Provide one van for contractor use to deliver and pickup supplies and perform other routine work.
- ad. Provide protective masks for contractor personnel as long as chemical agents are present on JA.

APPENDIX A

QUALITY CONTROL SAMPLE RESULTS

JOHNSTON ATOLL PLUTONIUM SOIL CLEAN UP PROJECT Soil Sampling Results from 01AUG to 31OCT

Date/Time/Pile	Sample Number	Gross Counts	Gross CPM	Concentration (Bq/kg)
08-01-94/0730/1,2	2700	1088	54	< 108
08-01-94/0930/1,2	2701	1100	55	< 108
08-01-94/1130/1,2	2702	2176	109	886
08-01-94/1405/1,2	2703	1205	60	138
08-01-94/1430/1,2	2704	1255	63	176
08-02-94/0800/1,2	2705	1237	62	196
08-02-94/1000/1,2	2706	1031	52	< 106
08-02-94/1230/1,2	2707	1351	68	283
08-02-94/1430/1,2	2708	1092	55	< 106
08-03-94/0740/1,2	2709	998	50	< 105
08-03-94/0930/1,2	2710	1057	53	< 105
08-03-94/1030/1,2	2711	1224	61	174
08-03-94/1300/1,2	2712	1015	51	< 105
08-04-94/0830/1,2	2713	980	49	< 90
08-04-94/1030/1,2	2714	1038	52	< 90
08-04-94/1520/1,2	2715	1129	56	110
08-05-94/0800/1,2	2716	1112	56	103
08-05-94/0925/1,2	2717	1991	100	707
08-05-94/1110/1,2	2718	1487	74	361
08-05-94/1340/1,2	2719	1182	59	151
08-05-94/1520/1,2	2720	1081	54	<93
08-06-94/0805/1,2	2721	1152	58	< 119
08-08-94/0840/1,2	2722	1015	51	< 106
08-08-94/1100/1,2	2723	996	50	< 106
08-08-94/1310/1,2	2724	1064	53	< 106
08-08-94/1410/1,2	2725	1243	62	169
08-09-94/0940/1,2	2726	998	50	< 100
08-09-94/1000/1,2	2727	1119	56	< 100
08-09-94/1330/1,2	2728	1214	61	160
08-09-94/1430/1,2	2729	1089	54	< 100
08-10-94/0840/1,2	2730	1229	61	191
08-10-94/1015/1,2	2731	1004	50	< 102
08-10-94/1250/1,2	2732	1147	57	130
08-10-94/1430/1,2	2733	1096	55	< 102
08-11-94/0805/1,2	2734	1135	57	< 103
08-11-94/1005/1,2	2735	3986	199	2232
08-11-94/1105/1,2	2736	1319	66	238
08-11-94/1305/1,2	2737	1409	70	306
08-11-94/1435/1,2	2738	1380	69	284
08-12-94/1500/1,2	2740	1123	56	< 101
08-13-94/0900/1,2	2741	1158	58	< 102
08-13-94/1035/1,2	2742	1244	62	160
08-13-94/1250/1,2	2743	1061	53	< 102
08-13-94/1445/1,2	2745	1084	54	< 102
08-15-94/0845/1,2	2745	1037	52	< 100
08-15-94/1025/1,2	2746	1024	51	< 100
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JOHNSTON ATOLL PLUTONIUM SOIL CLEAN UP PROJECT Soil Sampling Results from 01AUG to 31OCT

Date/Time/Pile	Sample Number	Gross Counts	Gross CPM	Concentration (Bq/kg)
08-15-94/1330/1,2	2747	1019	51	< 100
08-16-94/1245/1,2	2748	1212	61	134
08-16-94/1530/1,2	2749	1176	59	< 107
08-17-94/1030/1,2	2750	1281	64	211
08-17-94/1230/1,2	2751	1254	63	191
08-17-94/1415/1,2	2752	1372	69	278
08-18-94/0830/1,2	2753	1342	67	245
08-19-94/1320/1,2	2754	1067	53	< 104
08-19-94/1500/1,2	2755	1225	61	142
08-20-94/0930/1,2	2756	1024	51	< 105
08-20-94/1030/1,2	2757	951	48	< 105
08-20-94/1230/1,2	2758	999	50	< 105
10-20-94/0830/1,2	2759	1477	74	357
10-20-94/1030/1,2	2760	1530	77	395
10-20-94/1430/3,4	2761	1172	59	138
10-21-94/0830/1,2	2762	1435	72	326
10-21-94/0830/3,4	2763	1216	61	170
10-21-94/1030/1,2	2764	1333	67	253
10-21-94/1030/3,4	2765	1150	58	122
10-21-94/1230/1,2	2766	1337	67	256
10-21-94/1230/3,4	2767	1273	64	211
10-22-94/1030/1,2	2768	1161	58	<92
10-22-94/1230/1,2	2769	1296	65	162
10-22-94/1230/3,4	2770	1161	58	<92
10-22-94/1330/1,2	2771	1205	60	102
10-22-94/1330/3,4	2772	1159	58	<92
10-24-94/0930/1,2	2773	1238	62	116
10-24-94/0930/3,4	2774	1100	55	< 87
10-24-94/1500/1,2	2775	1517	76	287
10-24-94/1500/3,4	2776	1269	63	135
10-25-94/0750/1,2	2777	1150	58	122
10-25-94/1000/1,2	2778	1388	69	293
10-25-94/1000/3,4	2779	1365	68	276
10-25-94/1430/1,2	2780	1206	60	163
10-25-94/1430/3,4	2781	1302	65	231
10-26-94/0900/1,2	2782	1130	57	< 87
10-26-94/0900/3,4	2783	1169	58	<87
10-27-94/0910/1,2	2784	1715	86	465
10-27-94/0915/3,4	2785	1089	54	<94
10-27-94/1205/1,2	2786	1290	65	181
10-27-94/1210/3,4	2787	967	48	< 94
10-28-94/0945/1,2	2788	967	48	< 94
10-28-94/0950/3,4	2789	978	49	< 94
10-28-94/1400/1,2	2790	1187	59	112
10-28-94/1405/3,4	2791	1072	54	< 94
10-28-94/1500/1,2	2792	1423	71	270

JOHNSTON ATOLL PLUTONIUM SOIL CLEAN UP PROJECT Soil Sampling Results from 01AUG to 31OCT

Date/Time/Pile	Sample Number	Gross Counts	Gross CPM	Concentration (Bq/kg)
10-28-94/1505/3,4	2793	985	49	<94
10-29-94/0800/1,2	2794	1448	72	286
10-29-94/0805/3,4	2795	1070	54	<94
10-29-94/0900/1,2	2796	1666	83	432
10-29-94/0905/3,4	2797	1135	57	<94
10-29-94/1015/1,2	2798	1597	80	386
10-29-94/1020/3,4	2799	1049	52	<94
10-31-94/0850/1,2	2800	1745	87	456
10-31-94/0855/3,4	2801	1077	54	<81

APPENDIX B

AIR SAMPLING RESULTS

JOHNSTON ATOLL PLUTONIUM SOIL CLEANUP PROJECT Air Sampling Results from 1 AUG 94 to 31 OCT 94

Reported Critical Sample Activity Level Date μCi/ml μ Ci/ml Sample Area Descri	ption
01-AUG-94 1.2E-13 1.4E-14 LOADER #9112	
01-AUG-94	IORS
01-AUG-94 1.7E-13 1.4E-14 LOADER #9112	1003
01-AUG-94 6.1E-14 5.0E-15 HOT PARTICLE BEL	T #7219
01-AUG-94	-
03-AUG-94 5.0E-14 6.5E-15 HOT PARTICLE BEL	
03-AUG-94 3.9E-14 7.2E-15 SORTER 1 AREA #1	
03-AUG-94 1.2E-13 1.1E-14 WEST PERIMETER #	
05-AUG-94 2.5E-14 6.2E-15 WEST PERIMETER #	
05-AUG-94 2.9E-14 3.8E-15 HOT PARTICLE BEL	
05-AUG-94 2.5E-14 4.2E-15 SORTER 1 AREA #1	
09-AUG-94 8.1E-14 1.0E-14 SORTER 1 AREA #1	
09-AUG-94 8.8E-14 9.7E-15 HOT PARTICLE BEL	
09-AUG-94 1.3E-13 8.5E-15 WEST PERIMETER #	
11-AUG-94 4.0E-14 8.1E-15 SORTER 1 AREA #1	
12-AUG-94 3.2E-14 4.1E-15 S1,2 HOT BELT ARI	
13-AUG-94 3.2E-14 4.0E-15 WEST PERIMETER #	
13-AUG-94 6.5E-14 7.2E-15 SORTER 1 AREA #1	
13-AUG-94 3.5E-14 3.7E-15 S1,2 HOT BELT ARI	
13-AUG-94 1.9E-14 5.7E-15 SORTER 1 AREA #1	
13-AUG-94 4.5E-14 5.7E-15 S1,2 HOT BELT ARI	
13-AUG-94 5.6E-14 1.2E-14 SORTER 1 AREA #1	
13-AUG-94 2.6E-14 4.2E-15 S1,2 HOT BELT ARI	
15-AUG-94 6.7E-14 9.0E-15 SORTER 1 AREA #1	
15-AUG-94 2.2E-14 4.8E-15 S1,2 HOT BELT ARI	EA #7219
15-AUG-94 2.5E-14 4.9E-15 SORTER 1 AREA #1	
15-AUG-94 6.0E-14 8.7E-15 S1,2 HOT BELT ARI	EA #7219
15-AUG-94 4.3E-14 4.0E-15 S1,2 HOT BELT ARI	EA #7219
16-AUG-94 3.2E-14 8.5E-15 SORTER 1 AREA #1	083
16-AUG-94 8.2E-14 7.7E-15 S1,2 HOT BELT ARI	EA #7219
16-AUG-94 1.8E-14 8.6E-15 SORTER 1 AREA #1	083
16-AUG-94 4.5E-14 8.4E-15 S1,2 HOT BELT ARE	EA #7219
16-AUG-94 7.2E-14 5.5E-15 S1,2 HOT BELT ARE	EA #7219
16-AUG-94 9.9E-15 5.0E-15 S2 STAIRS #1079 F	RAS-1
16-AUG-94 4.8E-14 5.8E-15 SORTER 1 AREA #1	083
16-AUG-94 3.4E-14 5.1E-15 \$1,2 HOT BELT ARE	EA #7219
16-AUG-94 2.5E-14 4.3E-15 SORTER 1 AREA #1	083
17-AUG-94 3.8E-14 6.4E-15 \$1,2 HOT BELT ARE	EA #7219
17-AUG-94 4.5E-14 5.8E-15 S1,2 HOT BELT ARE	EA #7219
17-AUG-94 7.0E-14 6.4E-15 WEST PERIMETER #	7218
17-AUG-94 1.5E-13 4.3E-15 SORTER 1 AREA #1	083
17-AUG-94 1.0E-13 3.2E-15 SORTER 1 AREA #1	083
17-AUG-94 8.3E-14 2.9E-15 SORTER 1 AREA #1	083
17-AUG-94 3.9E-13 3.0E-15 S1,2 HOT BELT ARE	EA #7219
17-AUG-94 4.9E-14 2.7E-15 S1,2 HOT BELT ARE	EA #7219
19-OCT-94 2.0E-14 3.5E-15 #1083 S-1 AREA	
19-OCT-94 2.1E-14 2.1E-15 #1083 S-1 AREA	

JOHNSTON ATOLL PLUTONIUM SOIL CLEANUP PROJECT Air Sampling Results from 1 AUG 94 to 31 OCT 94

Sample		Reported Activity		Critical Level		
Date	_	μCi/ml		μ Ci/ml	Sa	ample Area Description
19-OCT-94		4.7E-14		3.7E-15	#7	7219 HOT PART. BELT AREA
20-OCT-94		1.7E-14		5.2E-15	#1	1083 S-1 AREA
20-OCT-94		2.7E-14		4.7E-15	#7	7219 HOT PART. BELT AREA
21-OCT-94		3.3E-14		9.6E-15	#1	1083 S-1 AREA
21-OCT-94		1.4E-14		3.1E-15	#1	1083 S-1 AREA
21-OCT-94		3.4E-14		4.9E-15	#1	1083 S-1 AREA
21-OCT-94		5.9E-14		1.0E-14	#7	7219 HOT PART. BELT AREA
21-OCT-94		2.9E-14		5.8E-15	#7	7219 HOT PART. BELT AREA
21-OCT-94		2.1E-14		2.9E-15	#7	7219 HOT PART. BELT AREA
21-OCT-94	<	7.3E-14)	7.3E-14	#5	507993 S2 STAIRS
22-OCT-94		1.8E-14		6.2E-15	#1	1083 S-1 AREA
22-OCT-94		1.8E-14		5.4E-15	#1	1083 S-1 AREA
22-OCT-94		2.1E-14		4.1E-15	#1	083 S-1 AREA
22-OCT-94		2.8E-14		7.3E-15	#1	083 S-1 AREA
22-OCT-94		5.9E-14	!	5.3E-15	#7	219 HOT PART. BELT AREA
24-OCT-94		2.6E-14		1.9E-15	#7	219 HOT PART. BELT AREA
24-OCT-94		1.8E-14		1.9E-15	#1	083 S-1 AREA
24-OCT-94		2.8E-14		4.2E-15	#1	083 S-1 AREA
25-OCT-94		2.5E-14		2.5E-15	#1	083 S-1 AREA
25-OCT-94		5.8E-14		1.0E-14	#1	083 S-1 AREA
25-OCT-94		3.8E-14		1.6E-14	#1	083 S-1 AREA

APPENDIX C

SOIL PRODUCTION DATA

WS3	(ton)	174	148	88	140	187	75	154	151	153	182	37	8	130	%	106	20	76	129	-	30	0	0	170	133	147	152	59	136	146	85	%	3,352		15
SORT	(sec)	œ	111	28	92	5	54	30	61	12	=	=	9	53	Ŋ	٥	2	9	52	10	13	13	55	37	36	36	34	07	92	58	20	26		31	31
REC	#	20,281	3,644	4,613	5,282	11,246	1,555	5,482	3,921	7,175	10,758	3,204	11,261	5,028	22,050	12,422	41,062	50,689	5,550	998	2,442	7,241	7,287	16,044	10,246	12,900	14,038	4,856	13,320	11,649	9,721	12,087	317,920		2
NOF	(cy)	176	131	131	112	145	34	127	114	129	139	38	117	107	121	126	123	140	123	9	34	108	190	332	292	273	316	122	316	267	218	281	4,858		31
PRD	8	8	81	8	7	83	02	ድ	ĸ	25	85	52	7.4	7	80	83	1	83	38	~	21	9	25	26	22	ĸ	87	34	82	7	9	28		29	<u>بع</u>
	8	8	89	5	ĸ	8	63	88	ድ	88	93	82	83	82	8	88	8	88	8	2	8	85	26	%	93	82	8	39	8	83	83	83		83	31
SC.		9.5	8.1	8.6	7.1	8.3	2.0	7.9	7.5	8.4	8.5	5.5	7.8	7.1	8.0	8.3	7.7	8.8	3.8	2.0	2.1	6.3	5.5	9.6	7.6	7.9	9.5	3.5	9.5	7.7	6.3	8.1		6.9	31
N O	(hr)	0.2	7.0	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.0	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.3	0.2	0.1	1.4	0.1	0.3	0.2	0.2	7.0	0.5		0.2	5
ᆿ	(hr)	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.3	9.0	0.1	0.3	1.0	0.2	8.0	0.2	0.3	0.3	0.1	0.1	7.0	0.2	0.2	0.4		0.2	31
SA	(Bq/kg)	247	86	&	153	196	93	89	\$	136	188 88	213	210	95	203	566	301	202	169	290	158	282	221	232	202	212	201	141	182	52	203	210		185	31
ΥC	(MBq)	50.8	16.2	16.1	20.4	34.1	4.0	13.9	9.5	20.7	31.3	7.8	19.8	12.0	16.0	56.4	6.2	20.0	13.1	0.3	5.3	29.8	37.4	90.6	63.7	9.59	72.4	20.8	58.5	60.3	45.1	51.5	939		31
AH	(MBq)	77.9	5,3	13.0	22.1	33.1	3.2	11.7	6.8	27.8	39.9	15.7	69.5	15.6	140.2	74.2	336.6	151.5	40.1	7.7	11.5	43.3	27.8	59.5	34.4	8.99	62.5	14.9	58.9	50.4	43.0	66.5	1,631		31
ΑP	(MBq)	359.9	54.9	8.09	97.1	148.9	14.9	48.7	31.7	112.1	181.1	47.3	191.7	55.5	319.5	210.1	813.4	400.0	199.5	20.1	33.8	127.7	69.3	2.272	107.0	202.4	199.7	86.4	156.6	134.3	115.2	145.1	4,987		31
¥	ર	95.8	% .6	98.4	95.0	95.3	98.3	97.3	8.3	92.9	95.1	76.5	63.7	93.9	51.7	63.0	13.3	56.0	6.76	12.7	77.9	77.5	89.8	94.3	93.7	88.3	91.5	98.2	88.0	87.8	8.8	80.7		82.2	31
CLEAN	(ton)	205.93	164.72	162.31	133.76	173.98	45.40	156.08	143.31	151.27	166.13	36.61	77.76	126.77	78.71	100.01	20.56	98.66	151.60	0.93	33.63	105.85	215.05	394.76	309.57	304.34	365.18	151.45	351.22		239.32	286.16	5,261	170	31
FOT	(ton)	15.90	0.74	2.64	6.97	8.58	5.73	4.38	1.06	11.50	8.63	11.22	53.70	8.21	73.63	58.64	134.10	47.77	3.28	6.39	9.53	30.76	24.32	23.68	20.87	40.45	33.84	2.83	47.86	66.05	36.28	68.63	868	28	31
DATE SORTERS		01-Aug S12	02-Aug S12	03-Aug S12	04-Aug S12	05-Aug S12	06-Aug \$12	08-Aug S12	09-Aug S12	10-Aug S12	11-Aug S12	12-Aug S12	13-Aug S12	15-Aug S12	16-Aug S12	17-Aug S12	S12	19-Aug S12	20-Aug S1234	22-Aug S2		19-Oct S12	20-Oct \$1234		22-Oct \$1234	24-Oct S1234	25-0ct \$1234	26-Oct \$1234	27-Oct \$1234	28-Oct S1234		31-oct \$1234	_	DAY/WK AVG	NUMB DAYS/WKS
DAY		421	422	453	454	452	456	457	458	459	430	431	432	433	434	435	436	437	438	439	077	441	775	443	777	445	955	447	877	677	450	451	TOTAL	DAY/	NUMB
																	C	-2)																

JA SOIL CLEANUP PLANT LOG OVERALL SUMMARY REPORT---COMBINED SORTERS

SORTERS	
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REPORT	
SUMMAR	
OG OVERALL SUMMARY	
NAT LOG	
ANUP PLA	
SOIL CLE	
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DAY	DATE	SORTERS	НОТ	CLEAN	3	AP	АН	¥	SA	3	N	RC.	USE	PRO	VOL	REC	SORT	WS3
			(ton)	(ton)	8	(MBq)	(MBq)	(MBq)	(Bq/kg)	(hr)	(hr)	(hr)	8	8	(c))	#	(sec)	(ton)
TOTA	TOTAL		898	5,261														
CDAN	TOTAL			4 120														

File JLOGSUM5.WR1

WEZ	Date			01-Aug	02-Aug	03-Aug	04 - Aug	05-Aug	06-Aug	08-Aug	09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	22-Aug	23-Aug	19-0ct	20-0ct	21-0ct	22-0ct	24-0ct	25-0ct	26-0ct	27-0ct	28-0ct	29-0ct	31-0ct	TOTAL	***************************************
WSZ			(ton)						66.76						28.80						123.74		51.70				146.63						301.48		6,223	
WSZ WSZ <td>WEEKLY</td> <td>H+C</td> <td>(ton)</td> <td></td> <td>50.48</td> <td></td> <td>6,129</td> <td></td>	WEEKLY	H+C	(ton)																				50.48												6,129	
WS2 WS4 WS5 WS6 WS7 WS8 OWR H+C H-C-WS2,5 O (ton) (ton) </td <td>AVL</td> <td>(hr)</td> <td></td> <td>10</td> <td>٥</td> <td>٥</td> <td>7</td> <td>٥</td> <td>2</td> <td>œ</td> <td>Ø</td> <td>0.</td> <td>٥</td> <td>m</td> <td>80</td> <td>œ</td> <td>œ</td> <td>٥</td> <td>80</td> <td>٥</td> <td>4</td> <td>-</td> <td>3</td> <td>7</td> <td>7</td> <td>10</td> <td>æ</td> <td>10</td> <td>٥</td> <td>4</td> <td>0</td> <td>œ</td> <td>~</td> <td>٥</td> <td>228</td> <td></td>	AVL	(hr)		10	٥	٥	7	٥	2	œ	Ø	0.	٥	m	80	œ	œ	٥	80	٥	4	-	3	7	7	10	æ	10	٥	4	0	œ	~	٥	228	
WS2 WS4 WS5 WS6 WS7 WS8 OVR H+C H-C-WS2,5 (ton) (ton) (ton) (ton) (ton) (ton) (ton) 197 20 0 0 0 31 222 24 198 3 0 0 0 43 145 (ton) 198 10 0 0 0 43 145 (28) 198 10 0 0 0 43 145 (18) 198 10 0 0 0 43 145 (18) 199 14 0 0 0 0 143 (18) 199 14 0 0 0 0 15 43 (14) 199 14 0 0 0 0 0 144 (14) 110 0 0 0 0 0 0 144 (14) <td>OVR</td> <td>8</td> <td></td> <td>13</td> <td>32</td> <td>20</td> <td>21</td> <td>0-</td> <td>54</td> <td>30</td> <td>53</td> <td>23</td> <td>12</td> <td>12</td> <td>28</td> <td>28</td> <td>30</td> <td>62</td> <td>20</td> <td>27</td> <td>28</td> <td>53</td> <td>28</td> <td>18</td> <td>14</td> <td>15</td> <td>9</td> <td>2</td> <td>57</td> <td>52</td> <td>38</td> <td>75</td> <td>07</td> <td>38</td> <td></td> <td></td>	OVR	8		13	32	20	21	0-	54	30	53	23	12	12	28	28	30	62	20	27	28	53	28	18	14	15	9	2	57	52	38	75	07	38		
WS2 WS4 WS5 WS6 WS7 WS8 OWR (ton) (ton) (ton) (ton) (ton) (ton) (ton) 197 20 0 0 0 73 193 3 0 0 0 73 193 5 0 0 0 73 193 10 0 0 0 43 193 14 0 0 0 0 43 164 7 0 0 0 0 0 43 174 14 0 0 0 0 0 0 0 15 51 14 14 0	+C-WS2,5			57	7	(28)	(18)	(31)	3	(3)	(14)	(8)	(54)	(5)	(16)	(13)	(20)	(23)	(57)	(12)	6	€	6	(4)	(36)	£	∞	9	16	9	28	12	54	31	(64)	
WSZ WSZ WSS WSZ WSZ <td>H+C H</td> <td>(ton)</td> <td></td> <td>222</td> <td>165</td> <td>165</td> <td>141</td> <td>183</td> <td>43</td> <td>160</td> <td>144</td> <td>163</td> <td>57</td> <td>48</td> <td>148</td> <td>135</td> <td>152</td> <td>159</td> <td>155</td> <td>176</td> <td>155</td> <td>^</td> <td>43</td> <td>137</td> <td>239</td> <td>418</td> <td>330</td> <td>345</td> <td>399</td> <td>154</td> <td>3%</td> <td>337</td> <td>276</td> <td>355</td> <td>6,129</td> <td></td>	H+C H	(ton)		222	165	165	141	183	43	160	144	163	57	48	148	135	152	159	155	176	155	^	43	137	239	418	330	345	399	154	3%	337	276	355	6,129	
WSZ WSZ <td>OVR</td> <td>(ton)</td> <td></td> <td>31</td> <td>r</td> <td>65</td> <td>43</td> <td>22</td> <td>15</td> <td>2</td> <td>65</td> <td>51</td> <td>55</td> <td>œ</td> <td>62</td> <td>29</td> <td>ĸ</td> <td>ĸ</td> <td>77</td> <td>69</td> <td>25</td> <td>m</td> <td>17</td> <td>30</td> <td>=</td> <td>41</td> <td>5</td> <td>53</td> <td>\$</td> <td>23</td> <td>125</td> <td>149</td> <td>8</td> <td>103</td> <td>1,636</td> <td></td>	OVR	(ton)		31	r	65	43	22	15	2	65	51	55	œ	62	29	ĸ	ĸ	77	69	25	m	17	30	=	41	5	53	\$	23	125	149	8	103	1,636	
WS2 WS4 WS5 WS6 WS 197 20 0 0 159 3 0 0 159 3 0 0 158 10 0 0 213 14 0 0 164 7 0 0 164 7 0 0 171 14 0 0 172 85 0 0 173 13 0 0 174 0 0 0 175 160 0 0 174 0 0 0 175 160 0 0 181 70 0 0 143 3 12 11 8 7 0 0 43 11 0 0 143 3 125 125 203 26 1	MS8	(ton)		0	0	0	0	12	0	0	53	12	0	٥	0	35	0	31	37	32	45	0	5	0	0	21	0	0	2	0	92	31	57	14	369	
WS2 WS4 WS5 (ton) (ton) (ton) 197 20 0 159 3 0 213 14 0 213 14 0 158 3 0 171 14 0 172 85 0 173 12 0 181 70 0 174 65 0 175 85 0 181 70 0 173 3 12 43 11 0 140 32 0 143 3 12 8 7 0 143 3 12 8 7 0 143 3 12 8 7 0 140 32 0 141 22 148 71 3 73 203 38 132 203 40 114 157 40 114 157 40 114 157 40 114 157 40 114	NS7	(ton)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WS2 WS4 (ton) (ton	MS6	(ton)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	=	0	0	0	153	180	146	125	174	7	160	8	111	141	1,371	
(fon)	NS5	(ton)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	202	185	148	132	183	ĸ	169	114	119	157	1,497	
	MS4	(ton)		20	м	'n	0	14	~	7	m	14	14	13	92	9	82	2	160	8	m	^	1	32	21	261	22	38	4	m	65	40	35	62	1,170	
MS1 485 475 475 475 475 475 475 475 475 475 47	MS2	(ton)		197	159	193	158	213	97	1 2	158	171	199	53	164	148	172	181	179	188	143	œ	43	140	2	223	174	203	201	۲	202	203	133	167	4,726	
	WS1	(ton)		228	232	243	202	235	61	233	554	222	251	9	226	207	546	526	223	257	198	12	09	170	82	564	185	526	592	76	327	351	223	569	6,362	

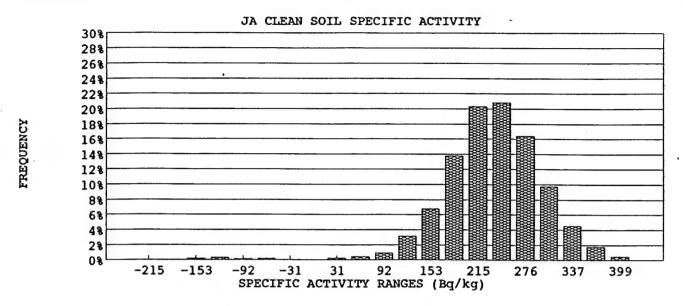
JA SOIL CLEANUP PLANT LOG OVERALL SUMMARY REPORT -- COMBINED SORTERS

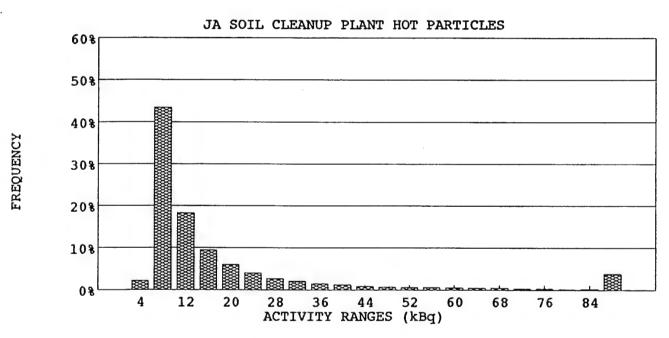
WORK DAY START	06:00 A	-	WORK DA			16:30 PM	
LUNCH START	11:00 A	M	TIMELOS	r DURING	LUNCH	0.0 HR	
		SORTER 1	SORTE	R2 SOF	TER 3	SORTER 4	TOTAL
							(sorter hours)
WORK HOURS		10.5 hr	10.5	hr 10).5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HOU	RS	9.9 hr	9.9	hr ().0 hr	0.0 hr	19.8 hr
SORTER START-UP		06:25	06:25	N	İΑ	NA	
START SOIL PROCESSING		06:30	06:30	N	A	NA	
TIME REQUIRED TO STAR	T-UP	0.1 hr	0.1	hr ().0 hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN		16:20	16:20	N	IA	NA	
END SOIL PROCESSING		16:06	16:06	N	ΙA	NA	
TIME REQUIRED TO SHUT	NWOO	0.2 hr	0.2	hr ().0 hr	0.0 hr	0.5 hr
ACTUAL PROCESS HOURS	;	9.5 hr	9.4	hr (0.0 hr	0.0 hr	18.9 hr
DOWN-TIME		0.5 hr	0.5	hr ().0 hr	0.0 hr	0.9 hr
SYSTEM PAUSE		0.1 hr	0.1	hr ().0 hr	0.0 hr	0.3 hr
SORTER NONAVAILABLE	TIME	0.6 hr	0.6	hr 10).0 hr	10.0 hr	21.2 hr
AUTHORIZED DELAY TIM	E	0.0 hr	0.0	hr 10).0 hr	10.0 hr	20.0 hr
PLANT PERFORMANCE							95.3%
PRODUCTIVTY							45.0%
PRODUCTIVITY							
Date		01-Aug-94		Excused De	lays for o	lay (sorter—hrs)	20 hr
Contract day (from 6 Sep)		271		Excused de	lays for c	ontract (sorter-hrs)	4,830 hr
Current Contract week		46		Excused de	lay days (plant - days)	121 days
				Excused de	lay montl	hs (plant-month)	4.64 month
Soil production for Day		222 M	Γ				
Cumlative Soil Production for	Week	222 M	Γ	Percent of o	ontract c	completed	54.7%
Total Soil production for contra	act			Tons Ahead	or Behi	nd Schedule	1,784 MT
Since 6 Sep	93	53,159 M	Γ	Days ahead	or behin	d schedule	5.6 days
Since 6 Aug	93	54,750 M	Γ				
Total Soil production for project	ct	81,037 M	Г				

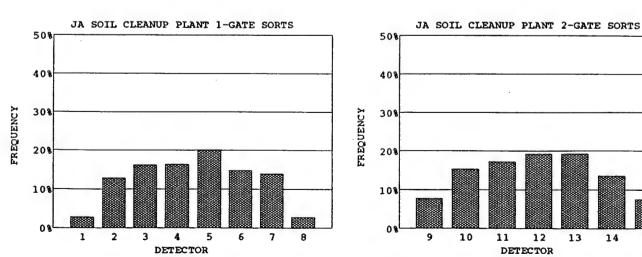
SORT	ER 1			Sm., II				01-Aug-94		
	S	ORTER SOIL	DENSITY	1.40 to	ns/m³		BACKGROUN	D	0.70 :	± 0.03 c
SOIL					CONTAI	MINATED	CLEAN	N -	TOTA	IL.
	MASS TO	TAL				tons	103.8 to		111.0 t	ons
	MAXIMU				65.2	_	65.2 kg			
	MINIMUM	•			0.8	-	49.7 k		00.0	
		IN-GROUNI		T+CT EAND		yd ³ 93.5%	82.3 yı	a³	88.0 y	/d³
ACTI		RECOVERY (CLEANIN	I+CLEAN)	1	93.370		CDCCD + DADT	701 E	
ACII	V 1 1 1				DAD	nale		ERSED + PART		
	TOTAL				186,696		HOT		CLEAN	-D-
	TOTAL MAXIMUN	MSORT			2,377	•	39,673 ki 898 ki	•	24,253 k 27 k	-
	MINIMUM	-			•	kBq	0 B	•	-11 k	•
	SPECIFIC						5,471 B	-	234 I	-
SORT										
		ROCESS PERI	IODS				1,703		UNEXP	PAUSE
		LL 80 ELEMI		MD>0&Ml	ND=0	7	•		TIME	ПМЕ
		NONE (AD=0			•	426			06:53	None
		OME (AD>0			D <mndmax< td=""><td>) 1,270</td><td></td><td></td><td></td><td></td></mndmax<>) 1,270				
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		_	D=0 & MD>		0					
	0 00000		ND<0 & MD :	>0	0		17.000			
		UNT PERIOD -SEC RECOI		OT TO		8,107	17,030			
	_	-SEC RECOI				8,923				
		OCESS RECO			o-s PERIODS		9,810			
		ESSING REC				-,	. 5			
		RTDETECTO	•		,					
	1	DET	5,350	65.99%		5 DET	28	0.35%		
	2	DET	2,033	25.08%		6 DET	0	0.00%		
	_	DET	573	7.07%		7 DET	1	0.01%		
		DET	123	1.52%	0.5	8 DET	0	0.00%		
		TIME BETW			8.3	sec				
		Y DISTRI								
	ESORTS		ACT_ND	NUM	_	FREQ%		NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#) 173		2.1%
1	116	2.8%	-14000	0	-215		4			
2	526 663	12.9% 16.3%	-12000 -10000	0 3	-184 -153	0.0% 0.2%	8 12	3,523 1,484		43.5% 18.3%
4	669	16.4%	-8000	5	-133 -123	0.2%	16	770		9.5%
5	819	20.1%	-6000	2	-92	0.1%	20	485		6.0%
6	602	14.8%	-4000	3	-61	0.2%	24	323		4.0%
7	570	14.0%	-2000	0	-31	0.0%	28	221		2.7%
8	112	2.7%	0	0	0	0.0%	32	168		2.1%
OTAL	4,077		2000	4	31	0.2%	36	118		1.5%
			4000	7	61	0.4%	40	99		1.2%
	ESORTS	EDECA	6000	15	92	0.9%	44	70 57		0.9%
DET	SORTS	FREQ% 7.7%	8000 10000	53 115	123 153	3.1% 6.8%	48 52	57 52		0.7% 0.6%
9 10	312 616	15.3%	12000	234	133	13.8%	56	48		0.6%
11	695	17.2%	14000	345	215	20.3%	60	47		0.6%
12	775	19.2%	16000	354	245	20.8%	64	37		0.5%
13	776	19.3%	18000	279	276	16.4%	68	36		0.4%
14	550	13.6%	20000	166	307	9.8%	72	25		0.3%
15	306	7.6%	22000	77	337	4.5%	76	26		0.3%
TAL	4,030		24000	30	368	1.8%	80	16		0.2%
			26000	8	399	0.5%	84	17		0.2%
			>28000	1	0	0.1%	>84	312		3.8%
			TOTAL	1,701			TOTAL	8,107		
VENT	TYPES	HPE	7,509	MPE	889	DISE	498			

15

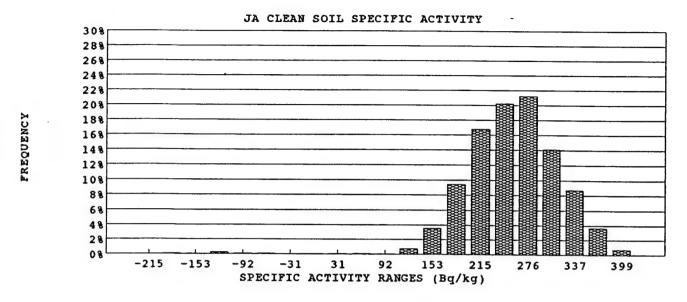
14

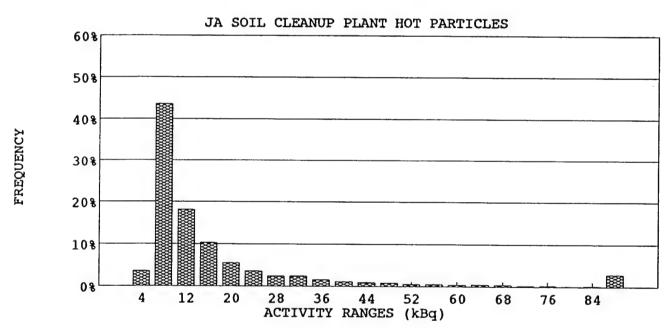


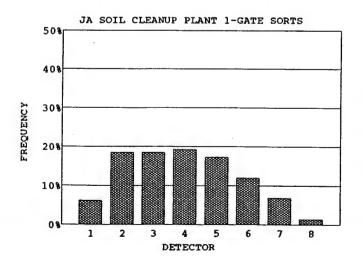


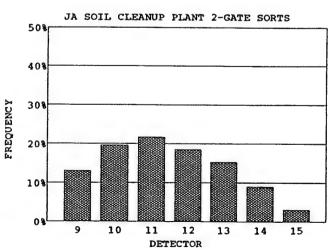


SORT	ΓER 2						01-	Aug-94		
	S	ORTER SOIL	DENSITY	1.40 to	ons/m³	<u> </u>	BACKGROUND		0.76 :	± 0.02 c
SOIL					CONTAN	MINATED	CLEAN		TOTA	T
	MASS TOT				_	tons	102.1 tons		110.8 t	ons
	MAXIMUN	-			65.2		65.2 kg			
	MINIMUM	/SOK I N-GROUNI	,		0.8	-	48.1 kg		979.	
		ECOVERY (T+CI FAN	6.9	92.2%	81.0 yd³		87.8 y	ď
ACTI	VITY	Decire	CLLL II W(110	I i CLLIBY	и	72.270	Diebeber	D + PART	TCLE	
ACII	V 1 1 1				PAR	пале	HOT	D + PAKI	CLEAN	
	TOTAL				173,157		38,262 kBq		26,539 1	rBa
	MAXIMUM	I/SORT			2,543	•	888 kBq		26)	-
	MINIMUM	SORT			2	kBq	0 Bq		-8)	cBq
	SPECIFICA	ACTIVITY					4,425 Bq/kg		260 I	3q/kg
SORT	rs						•			
		OCESS PERI					1,699			PAUSE
		LL 80 ELEMI	•		ND=0)	20			TIME	TIME
		ONE (AD=0		•	ID AMIC	381			13:32	13:32
		•			ID <mndmax< td=""><td>) 1,298</td><td></td><td></td><td>15:24</td><td>13:41</td></mndmax<>) 1,298			15:24	13:41
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			D=0 & MD>		0					
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	2-SEC CO	UNTPERIOR	S				16,990			
		-SEC RECOR				8,772				
		-SEC RECOR				8,218				
			•		0-s PERIODS	S)	10,471			
		ESSING REC RT DETECTO	•	calibration,	etc)		10			
		DET	•	66.92%		5 DET	28	0.32%		
		DET.	2,201	25.09%		6 DET	0	0.00%		
		DET	534	6.09%		7 DET	. 0	0.00%		
	4	DET	139	1.58%		8 DET	0	0.00%		
		TIME BETW			8.0	sec				
FREC	UENCY	/ DISTRI	BUTION	1S						
	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	269	6.2%	-14000	0	-215	0.0%	4	317		3.6%
2	806 808	18.5%	-12000 -10000	2	-184 -153	0.1%	8	3,824		43.6% 18.2%
3	808 839	18.5% 19.2%	-10000 -8000	1 5	-153 -123	0.1% 0.3%	12 16	1,593 906		10.3%
5	755	17.3%	-6000	2	-123 -92	0.1%	20	485		5.5%
6	522	12.0%	-4000	2	-61	0.1%	24	312		3.6%
7	300	6.9%	-2000	0	-31	0.0%	28	212		2.4%
8	63	1.4%	0	1	0	0.1%	32	211		2.4%
TOTAL	4,362		2000	1	31	0.1%	36	136		1.6%
			4000	2	61	0.1%	40	95		1.1%
	ESORTS	ED EOM	6000	1	92	0.1%	44	82 74		0.9%
DET 9	SORTS 571	FREQ% 12.9%	8000 10000	13 60	123 153	0.8% 3.6%	48 52	74 48		0.8% 0.5%
10	865	19.6%	12000	159	184	3.0% 9.4%	56	48		0.5%
11	956	21.7%	14000	283	215	16.8%	60	33		0.4%
12	815	18.5%	16000	341	245	20.2%	64	43		0.5%
13	672	15.2%	18000	358	276	21.2%	68	34		0.4%
14	396	9.0%	20000	238	307	14.1%	72	23		0.3%
15	135	3.1%	22000	147	337	8.7%	76	21		0.2%
TAL	4,410		24000	61	368	3.6%	80	9		0.1%
			26000	12	399	0.7%	84	15		0.2%
			>28000	1.690	0	0.0%	>84	251		2.9%
			TOTAL	1,689			TOTAL	8,772		
VENT	TYPES	HPE	8,182	MPE	967	DISE	1,459			



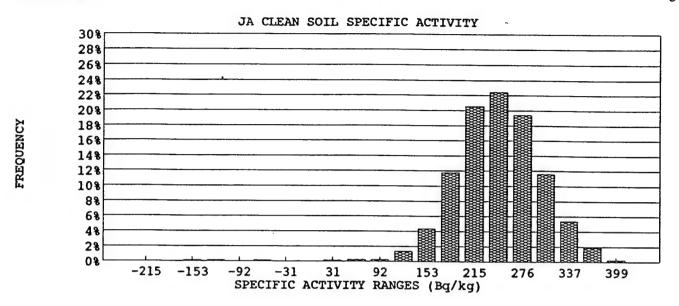


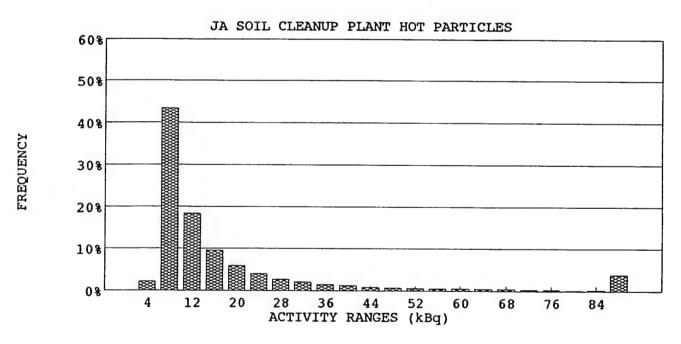


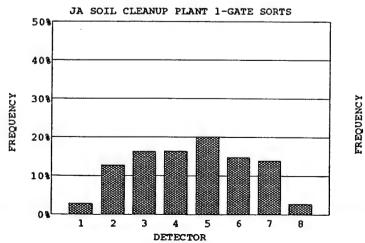


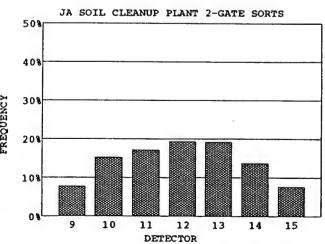
Wet End Feed

00==	TO 6							et End Fe		
SORT	ER 1							1-Aug-94		
	S	ORTER SOIL	DENSITY	1.40 to	ns/m³	1	BACKGROUND		0.71 :	± 0.02 c
SOIL					CONTAI	MINATED	CLEAN	-	TOTA	IL
	MASS TOT					tons	75.7 ton	s	82.8 t	ons
	MAXIMU				65.2		65.2 kg			
	MINIMUM					kg	49.7 kg			
		IN-GROUNI		TO CT TO A NO		yd³	60.0 yd³		65.6 y	∕d³
		RECOVERY (CLEAN/(HO	1+ULEAN))	91.4%				
ACTI	VIII							RSED + PART		
						TICLE	нот		CLEAN	
	TOTAL				183,565	•	39,016 kBc	•	18,966 1	•
	MAXIMUN MINIMUM				2,377	•	898 kBc	3	25 1	•
	SPECIFIC.				3	kBq	0 Bq 5,500 Bq/	V a	-6 k 250 I	-
SORT		ACHVIII					3,000 bq/	N.S.	201	эц/кg
		OCECC PER	ODC				4.070			
		ROCESS PERI		MDSORY	MD-0		1,270		UNEXP	
		ILL 80 ELEMI		•	(0=QF)	6 47			TIME	TIME
		IONE (AD=0			ID <mndmax< td=""><td>47</td><td></td><td></td><td>06:53</td><td>None</td></mndmax<>	47			06:53	None
		OME (AD>U INEXPLAINE			xsmunm>ui 0	•				
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			D<0 & MD		0					
:	2-SEC CO	UNT PERIOD					12,700			
	2	-SEC RECOR	RDS WITH S	ORTS		8,005				
		-SEC RECOR				4,695				
					0-s PERIODS	S)	9,275			
		ESSING REC	•	calibration,	etc)		5			
:		RT DETECTO		45.000		6 D.D.D.				
		DET	*	65.90%		5 DET	26	0.32%		
		DET	2,011 571	25.12% 7.13%		6 DET	0	0.00% 0.01%		
	_	DET	122	1.52%		7 DET 8 DET	1 0	0.01%		
		TIME BETW				sec	· ·	0.00%		
		Y DISTRI								
	ESORTS	DISTRI	ACT ND	NUM	SDEC A	FREQ%	ACT D	NUM		ED EOW
	SORTS	FREO%	(Bq)	(#)	(Bq/kg)	FREQ%	ACT_P (kBq)			FREQ%
1	114	2.8%	-14000	0	-215	0.0%	(KD4) 4	(#) 171		2.1%
2	515	12.8%	-12000	0	-184	0.0%	8	3,477		43.4%
3	655	16.3%	-10000	2	-153	0.2%	12	1,469		18.4%
4	660	16.4%	-8000	2	-123	0.2%	16	763		9.5%
5	809	20.1%	-6000	0	-92	0.0%	20	477		6.0%
6	597	14.8%	-4000	2	-61	0.2%	24	318		4.0%
7	562	14.0%	-2000	0	-31	0.0%	28	217		2.7%
8	112	2.8%	0	0	0	0.0%	32	165		2.1%
TOTAL	4,024		2000	2	31	0.2%	36	117		1.5%
			4000	3	61	0.2%	40	99		1.2%
	ESORTS	mp mc ~	6000	3	92	0.2%	44	70		0.9%
DET	SORTS	FREQ%	8000	17	123	1.3%	48	57		0.7%
9	308 607	7.7%	10000	55 140	153	4.3%	52	52 47		0.6%
10 11	607 685	15.2% 17.2%	12000 14000	149 261	184 215	11.7% 20.6%	56 60	47 44		0.6% 0.5%
12	769	19.3%	16000	285	245	22.5%	64	36		0.4%
13	765	19.2%	18000	246	276	19.4%	68	36		0.4%
14	544	13.7%	20000	147	307	11.6%	72	24		0.4%
15	303	7.6%	22000	68	337	5.4%	76	26		0.3%
OTAL	3,981	1.070	24000	24	368	3.4% 1.9%	76 80	16		0.3%
VIAL	3,701		26000		399					
				3		0.2%	84	17		0.2%
			>28000 _ TOTAL	1,269	0	0.0%	>84 TOTAL	307 8,005		3.8%
EVENTT	YPE9	HPE		MPE	274	Dice		6,003		
A CIAT I	ITES	HPE	7,408	MPE	876	DISE	418			

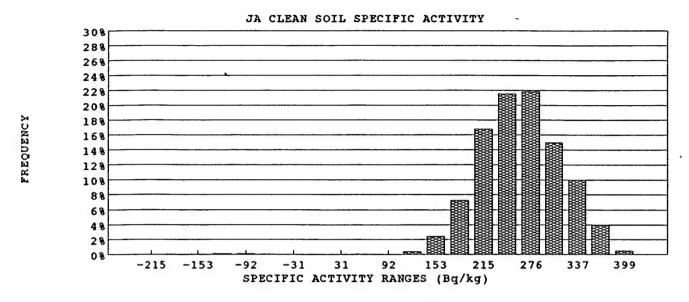


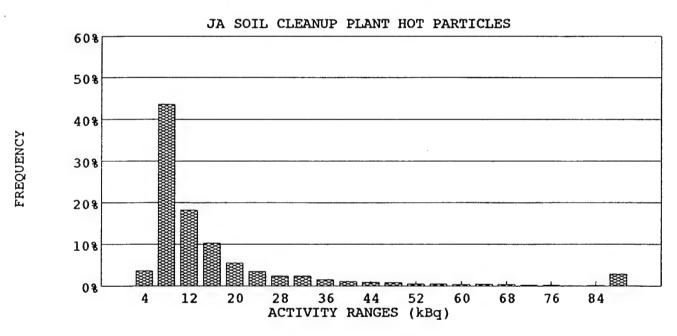


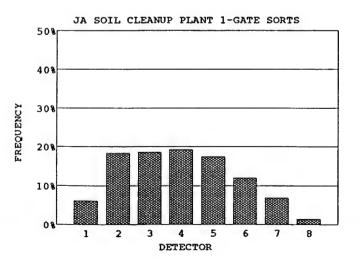


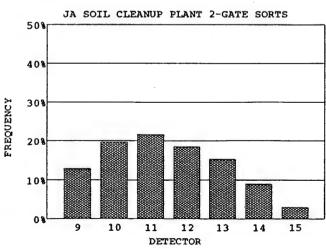


00==	CER A							c End Fe		
SORT	TER 2							-Aug-94		
0033	S	ORTER SOIL	DENSITY	1.40 to			BACKGROUND		0.77 =	
SOIL						INATED	CLEAN		TOTA	
	MASS TOT					tons	74.5 tons		82.7 t	ons
	MAXIMUN				65.2		65.2 kg			
	MINIMUM	/SOK I IN-GROUND			0.8	yd ³	48.1 kg 59.0 yd³		65.6 y	.d3
		ECOVERY (T+CI FAN		90.0%	39.0 yu		03.0 y	u-
ACTI	VITY	LCOVERT	CLLL101/(110	I I CLLINI	<u> </u>	70.070	DISPEDS	ED + PART	TCLE	
ACII	V 1 1 1				DAD	TICLE	HOT	ED T PARI	CLEAN	
	TOTAL				170,301		37,512 kBq		20,234 k	·Ba
	MAXIMUM	I/SORT			2,543	•	888 kBq		26 k	-
	MINIMUM	/SORT			2	kBq	0 Bq		0 k	Вq
	SPECIFICA	ACTIVITY					4,534 Bq/kg		272 E	g/kg
SORT	rs									
		OCESS PERI					1,269		UNEXP	
		LL 80 ELEME			ND=0)	16			TIME	TIME
		ONE (AD=0			ID ALAND	27			13:32	13:32
		OME (AD>08			_ '	1,226				
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			D=0&MD>		0					
			D<0 & MD		0					
	2-SEC CO	UNT PERIOD			·		12,690			
	2-	-SEC RECOR	DS WITH S			8,651				
	2-	-SEC RECOR	DS WITHO	UTSORTS		4,039				
		OCESS RECO	•			5)	9,920			
		ESSING REC	•	calibration,	etc)		7			
		ET DETECTO		66 9100		CDET	20	0.220		
		DET	5,780 2,179	66.81% 25.19%		5 DET 6 DET	28 0	0.32% 0.00%		
		DET DET	527	6.09%		7 DET	0	0.00%		
		DET	137	1.58%		8 DET	0	0.00%		
		TIME BETW			4.6					
FREC	UENC	Y DISTRI	BUTION	1S						
	E SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	262	6.1%	-14000	0	-215	0.0%	4	316		3.7%
2	790	18.4%	-12000	1	-184	0.1%	8	3,771		43.6%
3	800	18.6%	-10000	1	-153	0.1%	12	1,574		18.2%
4	827	19.2%	-8000	2	-123	0.2%	16	892		10.3%
5	747 514	17.4%	-6000 4000	2	-92 -61	0.2%	20	475		5.5%
6 7	514 295	12.0% 6.9%	-4000 -2000	1 0	-61 -31	0.1% 0.0%	24 28	306 212		3.5% 2.5%
, R	63	1.5%	-2000 0	0	0	0.0%	32	206		2.4%
TOTAL	4,298	1 /0	2000	0	31	0.0%	36	133		1.5%
			4000	1	61	0.1%	40	94		1.1%
2-GAT	ESORTS		6000	0	92	0.0%	44	81		0.9%
DET	SORTS	FREQ%	8000	5	123	0.4%	48	73		0.8%
9	562	12.9%	10000	31	153	2.5%	52	48		0.6%
10	855	19.6%	12000	91	184	7.2%	56	48		0.6%
11	942	21.6%	14000	211	215	16.7%	60	33		0.4%
12 13	807	18.5%	16000 18000	271 275	245 276	21.5% 21.8%	64 68	42 34		0.5% 0.4%
13	665 390	15.3% 9.0%	20000	188	307	14.9%	72	23		0.4%
15	132	3.0%	22000	125	337	9.9%	76	20		0.3%
TOTAL	4,353	5.570	24000	49	368	3.9%	80	9		0.1%
			26000	6	399	0.5%	84	14		0.2%
			>28000	0	0	0.0%	>84	247		2.9%
			TOTAL	1,260			TOTAL	8,651		
	TYPES	HPE	8,058	MPE	948	DISE	1,141			









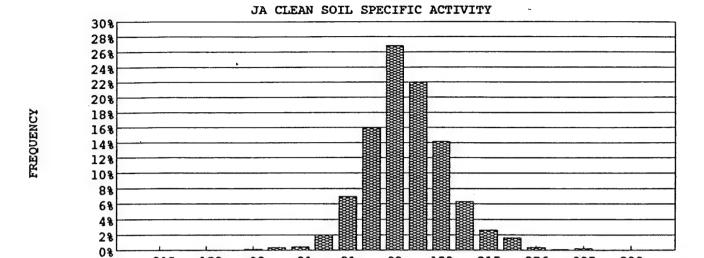
WORK HISTORY - JA SOIL CLEANUP PLANT

02-Aug-94

WORK HOURS	WORK DAY START	06:00 AM		WORK DAY E	ND	16:30 PM	
WORK HOURS	LUNCH START	11:00 AM		TIME LOST DU	JRING LUNCH	0.5 HR	
WORK HOURS			SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
WORK HOURS			DORIZAT	DONIER	CONTENS	DOICILIC 4	(sorter hours)
SORTER START—UP 06:11 06:11 NA NA START SOIL PROCESSING 06:16 06:15 NA NA TIME REQUIRED TO START—UP 0.1 hr 0.1 hr 0.0 hr 0.0 hr 0.2 hr SORTER SHUT—DOWN 15:45 15:45 NA NA END SOIL PROCESSING 15:23 15:24 NA NA TIME REQUIRED TO STHUT DOWN 0.4 hr 0.3 hr 0.0 hr 0.0 hr 0.7 hr ACTUAL PROCESS HOURS 8.1 hr 8.1 hr 0.0 hr 0.0 hr 16.1 hr DOWN—TIME 1.0 hr 1.0 hr 0.0 hr 0.0 hr 2.0 hr SYSTEM PAUSE 1.1 hr 1.1 hr 0.0 hr 0.0 hr 2.2 hr SORTER NONAVAILABLE TIME 0.9 hr 0.9 hr 10.0 hr 10.0 hr 2.1 hr AUTHORIZED DELAY TIME 0.7 hr 0.7 hr 10.0 hr 10.0 hr 21.4 hr PLANT PERFORMANCE 89.0% PRODUCTIVITY Date 02-Aug—94 Excused Delays for day (sorter—hrs) 4.852 hr Current Contract day (from 6 Sep) 272 Excused delays for contract (sorter—hrs) 4.852 hr Current Contract week 46 Excused delay sort (spant—adays) 121 days Excused delay months (plant—month) 4.67 mon Soil production for Day 165 MT Cumlative Soil Production for Week 387 MT Percent of contract completed 54.9% Total Soil production for contract Tons Ahead or behind schedule 5.7 days Since 6 Aug 93 54.915 MT	WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	•
START SOIL PROCESSING 06:16 06:15 NA NA TIME REQUIRED TO START—UP 0.1 hr 0.1 hr 0.0 hr 0.0 hr 0.2 hr SORTER SHUT—DOWN 15:45 15:45 NA NA NA END SOIL PROCESSING 15:23 15:24 NA NA NA TIME REQUIRED TO SHUT DOWN 0.4 hr 0.3 hr 0.0 hr 0.0 hr 0.7 hr ACTUAL PROCESS HOURS 8.1 hr 8.1 hr 0.0 hr 0.0 hr 0.0 hr 16.1 hr DOWN—TIME 1.0 hr 1.0 hr 0.0 hr 0.0 hr 2.0 hr 2.0 hr SYSTEM PAUSE 1.1 hr 1.1 hr 1.0 hr 0.0 hr 0.0 hr 2.2 hr SORTER NONAVAILABLE TIME 0.9 hr 0.9 hr 10.0 hr 10.0 hr 21.4 hr AUTHORIZED DELAY TIME 0.7 hr 0.7 hr 10.0 hr 10.0 hr 21.4 hr PRODUCTIVITY 20 272 Excused Delays for day (sorter—hrs) 4.852 hr Current Contract day (from 6 Sep) 272 Ex	SORTER AVAILABLE HOU	RS	9.1 hr	9.1 hr	0.0 hr	0.0 hr	18.1 hr
TIME REQUIRED TO START-UP O.1 hr O.1 hr O.0 hr O.0 hr O.0 hr O.2 hr SORTER SHUT-DOWN 15:45 15:45 NA NA NA END SOIL PROCESSING 15:23 15:24 NA NA NA TIME REQUIRED TO SHUT DOWN O.4 hr ACTUAL PROCESS HOURS 8.1 hr 8.1 hr O.0 hr O.0 hr O.0 hr O.0 hr O.7 hr ACTUAL PROCESS HOURS 8.1 hr 1.0 hr 1.0 hr 0.0 hr 0.0 hr 0.0 hr 2.0 hr SYSTEM PAUSE 1.1 hr 1.1 hr 0.0 hr O.0 hr 0.0 hr 2.2 hr SORTER NONAVAILABLE TIME O.9 hr O.9 hr O.0 hr O.0 hr 0.1 hr 0.2 hr 10.1 hr 0.2 hr 10.2 hr 10.3 hr 0.4 hr 0.5 hr 0.6 hr 0.7 hr 0.8 hr 0.8 hr 0.8 hr 0.9 hr 0.9 hr 10.0 hr 10.0 hr 10.0 hr 10.0 hr 21.4 hr 21.4 hr PLANT PERFORMANCE PRODUCTIVITY Date O2-Aug-94 Excused Delays for day (sorter-hrs) 89.0% 40.3% PRODUCTIVITY Date O2-Aug-94 Excused delays for contract (sorter-hrs) 4.852 hr Excused delay days (plant-days) 121 days Excused delay months (plant-month) 4.67 months Soil production for Day Cumlative Soil Production for Week 387 MT Percent of contract completed Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	SORTER START-UP		06:11	06:11	NA	NA	
SORTER SHUT-DOWN 15:45 15:45 NA NA END SOIL PROCESSING 15:23 15:24 NA NA TIME REQUIRED TO SHUT DOWN 0.4 hr 0.3 hr 0.0 hr 0.0 hr 0.7 hr ACTUAL PROCESS HOURS 8.1 hr 8.1 hr 0.0 hr 0.0 hr 16.1 hr DOWN-TIME 1.0 hr 1.0 hr 0.0 hr 0.0 hr 2.0 hr SYSTEM PAUSE 1.1 hr 1.1 hr 0.0 hr 0.0 hr 0.0 hr 2.2 hr SORTER NONAVAILABLE TIME 0.9 hr 0.9 hr 10.0 hr 10.0 hr 21.4 hr AUTHORIZED DELAY TIME 0.7 hr 0.7 hr 10.0 hr 10.0 hr 21.4 hr PRODUCTIVITY 2.2 hr 2.2	START SOIL PROCESSING		06:16	06:15	NA	NA	
END SOIL PROCESSING 15:23 15:24 NA NA TIME REQUIRED TO SHUT DOWN 0.4 hr 0.3 hr 0.0 hr 0.0 hr 0.0 hr 16.1 hr DOWN-TIME 1.0 hr 1.0 hr 1.0 hr 0.0 hr 0.0 hr 2.0 hr SYSTEM PAUSE 1.1 hr 1.1 hr 1.1 hr 0.0 hr 0.0 hr 0.0 hr 2.2 hr SORTER NONAVAILABLE TIME 0.9 hr 0.9 hr 0.9 hr 10.0 hr 10.0 hr 10.0 hr 21.4 hr PLANT PERFORMANCE PRODUCTIVITY Date 02-Aug-94 Excused Delays for day (sorter-hrs) PRODUCTIVITY Date 02-Aug-94 Excused delay for contract (sorter-hrs) 21.4 hr Contract day (from 6 Sep) 272 Excused delay days (plant-days) Excused delay months (plant-month) Soil production for Day 165 MT Cumlative Soil Production for Week 387 MT Percent of contract completed 54.9% Total Soil production for Contract Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	TIME REQUIRED TO STAR	T-UP	0.1 hr	0.1 hr	0.0 hr	0.0 hr	0.2 hr
TIME REQUIRED TO SHUT DOWN 0.4 hr 0.3 hr 0.0 hr 0.0 hr 0.0 hr 16.1 hr 16.1 hr 1.0 hr	SORTER SHUT-DOWN		15:45	15:45	NA	NA	
ACTUAL PROCESS HOURS 8.1 hr 8.1 hr 0.0 hr 0.0 hr 1.0 hr	END SOIL PROCESSING		15:23	15:24	NA	NA	
DOWN—TIME	TIME REQUIRED TO SHUT	DOWN	0.4 hr	0.3 hr	0.0 hr	0.0 hr	0.7 hr
SYSTEM PAUSE 1.1 hr 1.1 hr 1.0 hr 1.0 hr 2.2 hr SORTER NONAVAILABLE TIME 0.9 hr AUTHORIZED DELAY TIME 0.7 hr 0.7 hr 10.0 hr 10.0 hr 21.9 hr AUTHORIZED DELAY TIME PLANT PERFORMANCE PRODUCTIVITY Date 02-Aug-94 Excused Delays for day (sorter-hrs) 21.4 hr Contract day (from 6 Sep) 272 Excused delays for contract (sorter-hrs) 21.4 hr Current Contract week 46 Excused delay days (plant-days) Excused delay months (plant-month) Soil production for Day Cumlative Soil Production for Week 387 MT Percent of contract completed Since 6 Sep 93 Since 6 Aug 93 54,915 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	ACTUAL PROCESS HOURS		8.1 hr	8.1 hr	0.0 hr	0.0 hr	16.1 hr
SORTER NONAVAILABLE TIME O.9 hr O.9 hr O.9 hr O.9 hr O.0	DOWN-TIME		1.0 hr	1.0 hr	0.0 hr	0.0 hr	2.0 hr
AUTHORIZED DELAY TIME 0.7 hr 0.7 hr 10.0 hr 10.0 hr 21.4 hr PLANT PERFORMANCE 89.0% PRODUCTIVITY 40.3% PRODUCTIVITY Date 02-Aug-94 Excused Delays for day (sorter-hrs) 21.4 hr Contract day (from 6 Sep) 272 Excused delays for contract (sorter-hrs) 4,852 hr Current Contract week 46 Excused delay days (plant-days) 121 days Excused delay months (plant-month) 4.67 mon Soil production for Day 165 MT Cumlative Soil Production for Week 387 MT Percent of contract completed 54.9% Total Soil production for contract Tons Ahead or Behind Schedule 1,802 MT Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	SYSTEM PAUSE		1.1 hr	1.1 hr	0.0 hr	0.0 hr	2.2 hr
PLANT PERFORMANCE PRODUCTIVITY Date 02-Aug-94 Excused Delays for day (sorter-hrs) Contract day (from 6 Sep) 272 Excused delays for contract (sorter-hrs) 4,852 hr Current Contract week 46 Excused delay days (plant-days) 121 days Excused delay months (plant-month) 4.67 mon Soil production for Day Cumlative Soil Production for Week 387 MT Percent of contract completed Total Soil production for contract Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	SORTER NONAVAILABLE T	ПМЕ	0.9 hr	0.9 hr	10.0 hr	10.0 hr	21.9 hr
PRODUCTIVITY Date 02-Aug-94 Excused Delays for day (sorter-hrs) 21.4 hr Contract day (from 6 Sep) 272 Excused delays for contract (sorter-hrs) 4,852 hr Current Contract week 46 Excused delay days (plant-days) 121 days Excused delay months (plant-month) 4.67 mon Soil production for Day 165 MT Cumlative Soil Production for Week 387 MT Percent of contract completed 54.9% Total Soil production for contract Tons Ahead or Behind Schedule 1,802 MT Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	AUTHORIZED DELAY TIM	Ē	0.7 hr	0.7 hr	10.0 hr	10.0 hr	21.4 hr
PRODUCTIVITY Date 02-Aug-94 Excused Delays for day (sorter-hrs) 21.4 hr Contract day (from 6 Sep) 272 Excused delays for contract (sorter-hrs) 4,852 hr Current Contract week 46 Excused delay days (plant-days) 121 days Excused delay months (plant-month) 4.67 mon Soil production for Day 165 MT Cumlative Soil Production for Week 387 MT Percent of contract completed 54.9% Total Soil production for contract Tons Ahead or Behind Schedule 1,802 MT Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	PLANT PERFORMANCE						89.0%
Date 02-Aug-94 Excused Delays for day (sorter-hrs) 21.4 hr Contract day (from 6 Sep) 272 Excused delays for contract (sorter-hrs) 4,852 hr Current Contract week 46 Excused delay days (plant-days) 121 days Excused delay months (plant-month) 4.67 mon Soil production for Day 165 MT Cumlative Soil Production for Week 387 MT Percent of contract completed 54.9% Total Soil production for contract Tons Ahead or Behind Schedule 1,802 MT Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	PRODUCTIVTY						40.3%
Contract day (from 6 Sep) 272 Excused delays for contract (sorter-hrs) 4,852 hr Current Contract week 46 Excused delay days (plant-days) Excused delay months (plant-month) 4.67 month Soil production for Day Cumlative Soil Production for Week 387 MT Percent of contract completed Tons Ahead or Behind Schedule Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	PRODUCTIVITY						
Current Contract week 46 Excused delay days (plant – days) Excused delay months (plant – month) 4.67 month Soil production for Day Cumlative Soil Production for Week Total Soil production for contract Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	Date	0	2-Aug-94	Exc	used Delays for da	ay (sorter-hrs)	21.4 hr
Excused delay months (plant—month) Soil production for Day 165 MT Cumlative Soil Production for Week Total Soil production for contract Since 6 Sep 93 53,324 MT Days ahead or behind schedule 54.9% Total Soil production for contract Since 6 Aug 93 54,915 MT	Contract day (from 6 Sep)		272	Exc	used delays for co	ntract (sorter-hrs)	4,852 hr
Soil production for Day Cumlative Soil Production for Week 387 MT Percent of contract completed Tons Ahead or Behind Schedule Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	Current Contract week		46	Exc	used delay days (p	olant – days)	121 days
Cumlative Soil Production for Week 387 MT Percent of contract completed 54.9% Total Soil production for contract Tons Ahead or Behind Schedule 1,802 MT Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT				Exc	used delay months	s (plant-month)	4.67 months
Total Soil production for contract Since 6 Sep 93 Since 6 Aug 93 53,324 MT Days ahead or behind schedule 5.7 days 54,915 MT	Soil production for Day		165 MT	Γ			
Since 6 Sep 93 53,324 MT Days ahead or behind schedule 5.7 days Since 6 Aug 93 54,915 MT	Cumlative Soil Production for W	/eek	387 MT	Pero Pero	ent of contract co	ompleted	54.9%
Since 6 Aug 93 54,915 MT	Total Soil production for contract	ct		Ton	s Ahead or Behin	d Schedule	1,802 MT
	Since 6 Sep 9	3	53,324 MT	Γ Day	s ahead or behind	schedule	5.7 days
	Since 6 Aug 9	93	54,915 MT	Γ			
Total Soil production for project 81,202 MT	Total Soil production for project	1	81,202 MT	Γ.			

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SORT	TER 1						0	2-Aug-94		
0077	S	ORTER SOIL	DENSITY	1.15 to			ACKGROUND		0.67 ±	
SOIL						MINATED	CLEAN	-	TOTA	
	MASS TOT					tons	82.4 ton	s	82.8 to	ons
	MAXIMUM				55.7	-	65.2 kg			
	MINIMUM				0.7		48.2 kg			
		N-GROUNI	, CLEAN/(HO	LT CL EVV	0.3	99.5%	65.3 yd ³		65.6 y	٥
	VITY	ECOVERI	CLEAN/(NO	I + CLEAIV)		77.270	DIEDER	ACCD + DADT	CLE	
ACII	A11 1				DADT	TICLE	HOT	RSED + PARTI	CLEAN	
	TOTAL									D-
	MAXIMUM	TRODE			18,420 2,469	•	3,917 kBc 998 kBc	•	8,763 k	-
	MINIMUM	•			,	kBq	0 Bq	1	-7 k	•
	SPECIFIC A					229	10,395 Bq/	kg	106 B	•
SORT							20,535		100 2	7-5
		OCESS PERI	ODS				1,453	1	UNEXP	PALISE
			ENTS SORT (MD>0&M1	VD=0)	1	4, 4 00		TIME	TIME
			& MD=0& N		/	1,236			07:46	08:36
		•		,	D <mndmax< td=""><td>•</td><td></td><td></td><td>08:41</td><td>10:53</td></mndmax<>	•			08:41	10:53
		•	D RECORDS		0				09:24	
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		UNT PERIOD		DD.		222	14,530			
			RDS WITH SO			382				
			RDS WITHO		0-s PERIODS	14,148	1,835			
			ORDS (Z=s SC			")	1,833			
		RT DETECTO		omoranon,	··· <i>)</i>		3			
		DET		69.11%		5 DET	0	0.00%		
	2	DET	88	23.04%		6 DET	0	0.00%		
	3	DET	25	6.54%		7 DET	0	0.00%		
	4	DET	5	1.31%		8 DET	0	0.00%		
			EEN 2-SEC		110.1	sec				
FREQ	UENCY	Y DISTRI	BUTION	1S						
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	6	3.2%	-14000	0	-215	0.0%	4	2		0.5%
2	27	14.3%	-12000	0	-184		8	168		44.0%
3	37	19.6%	-10000	0	-153	0.0%	12	67		17.5%
4	31	16.4%	-8000	0	-123	0.0%	16	25		6.5%
5 6	35 27	18.5% 14.3%	-6000 -4000	2 5	-92 -61	0.1% 0.3%	20 24	22 16		5.8%
7	27	11.6%	-4000 -2000	6	-61 -31	0.4%	28	13		4.2% 3.4%
, R	4	2.1%	-2000 0	29	-31	2.0%	32	13		3.1%
TOTAL	189	4-1/0	2000	101	31	6.9%	36	6		1.6%
			4000	233	61	16.0%	40	3		0.8%
2-GAT	ESORTS		6000	391	92	26.9%	44	4		1.0%
	SORTS	FREQ%	8000	320	123	22.0%	48	3		0.8%
9	19	9.8%	10000	206	153	14.2%	52	2		0.5%
10	25	13.0%	12000	92	184	6.3%	56	2		0.5%
11	32	16.6%	14000	38	215	2.6%	60	O		0.0%
12	30	15.5%	16000	23	245	1.6%	64	5		1.3%
12	39	20.2%	18000	5	276	0.3%	68	1		0.3%
13	30	15.5%	20000	1	307	0.1%	72	2		0.5%
14		0.00	22000	3	337	0.2%	76	1		0.3%
14 15	18	9.3%								0.00
14 15		9.3%	24000	0	368	0.0%	80	2		0.5%
14 15	18	9.3%	24000 26000	0	399	0.0%	84	1		0.3%
14	18	93%	24000							



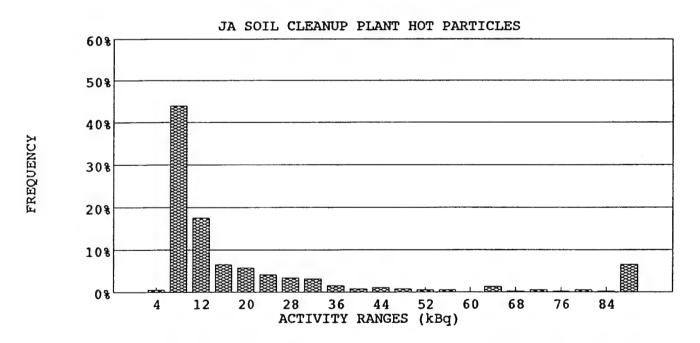
-92 -31 31 92 153 215 SPECIFIC ACTIVITY RANGES (Bq/kg)

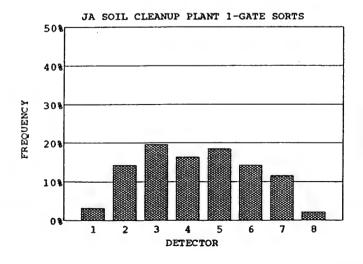
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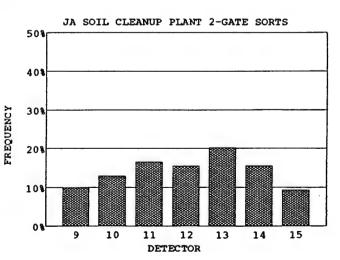




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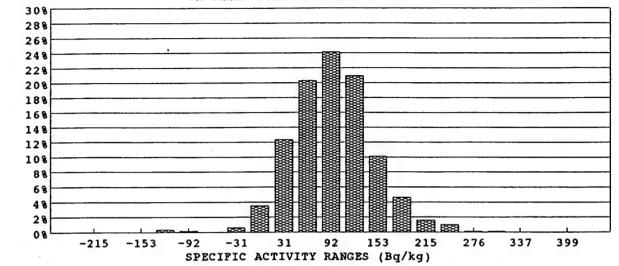
-153

-92

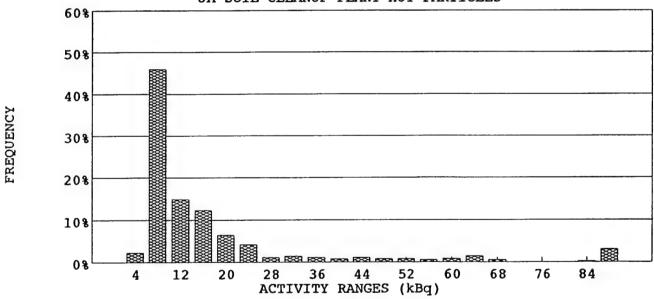


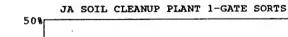
SORT	ΓER 2						02	-Aug-94		
	S	ORTER SOIL	DENSITY	1.15 to	ons/m³		BACKGROUND		0.72 ±	0.02 c
SOIL						MINATED	CLEAN	-	TOTA	L
	MASS TOT					tons	82.3 tons		82.7 to	ons
	MAXIMUM	-			55.7		65.2 kg			
	MINIMUM				0.7	-	48.9 kg			
		N-GROUNI		T. G F.		yd³	65.3 yd³		65.6 y	d³
A CTIT		ECOVERY (CLEAN/(HO	I+CLEAN	D	99.6%				
ACII	VITY							ED + PARTI		
	TOTAL					TICLE	НОТ	•	CLEAN	
	TOTAL MAXIMUM	L/SOPT			6,443	kBq	1,410 kBq		7,455 k	-
	MINIMUM					kBq	105 kBq 0 Bq		19 k -10 k	•
	SPECIFIC A				,	AD4	3,863 Bq/kg	•		g/kg
SORT									7. 2	4, 49
		OCESS PERI	ODS				1,452	4	UNEXP	PAUSE
		LL 80 ELEME		MD>0&M	ND=0)	1			TIME	TIME
	N	ONE (AD=0	& MD=0 & N	AND>0)		1,238			08:25	08:35
		•			ID <mndmax< td=""><td>214</td><td></td><td></td><td>09:36</td><td>10:51</td></mndmax<>	214			09:36	10:51
	U	NEXPLAINE			(1)				15:02	
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			D=0 & MD>		0				15:16	
	2-SEC COI	A JNT PERIOD	D<0 & MD :	>0	0		14 520			
		-SEC RECOR		ORTS		357	14,520			
		-SEC RECOR				14,163				
					0-s PERIODS	•	1,809			
		ESSING REC	•			,	1			
	2-SEC SOR	TDETECTO	RS							
		DET	258	72.27%		5 DET	0	0.00%		
		DET	80	22.41%		6 DET	0	0.00%		
		DET	17	4.76%		7 DET	0	0.00%		
		DET TIME BETW	EEN 2 SEC	0.56%	112.6	8 DET	0	0.00%		
		DISTRI			112.0	sec				
		DISTRI			0770	ED TO W				
	E SORTS SORTS	FREO%	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
1	30K13	8.9%	(Bq) -14000	(#) 0	(Bq/kg) -215	0.0%	(kBq)	(#)		2.20
2	30	17.9%	-12000	0	-213 -184	0.0%	4 8	8 164		2.2% 45.9%
3	30	17.9%	-10000	Ö	-153	0.0%	12	53		14.8%
4	34	20.2%	-8000	5	-123	0.3%	16	44		12.3%
5	32	19.0%	-6000	3	-92	0.2%	20	23		6.4%
6	19	11.3%	-4000	0	-61	0.0%	24	15		4.2%
7	5	3.0%	-2000	9	-31	0.6%	28	4		1.1%
8	3	1.8%	0	51	0	3.5%	32	5		1.4%
TOTAL	168		2000	179	31	12.3%	36	4		1.1%
2_GAT	ESORTS		4000	295	61	20.3%	40	3		0.8%
	SORTS	FREQ%	6000 8000	350 304	92 123	24.1% 20.9%	44 48	4 3		1.1% 0.8%
9	30	15.9%	10000	147	153	10.1%	52	3		0.8%
10	34	18.0%	12000	67	184	4.6%	56	2		0.6%
11	42	22.2%	14000	23	215	1.6%	60	3		0.8%
12	41	21.7%	16000	15	245	1.0%	64	5		1.4%
13	27	14.3%	18000	2	276	0.1%	68	2		0.6%
14	10	5.3%	20000	2	307	0.1%	72	Ō		0.0%
15	5	2.6%	22000	0	337	0.0%	76	0		0.0%
OTAL	189		24000	0	368	0.0%	80	0		0.0%
			26000	0	399	0.0%	84	1		0.3%
			>28000 _	0	0	0.0%	>84	11	•	3.1%
			TOTAL	1,452			TOTAL	357		
VENT	TYPES	HPE	376	MPE	68	DISE	83			

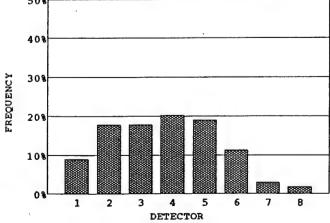


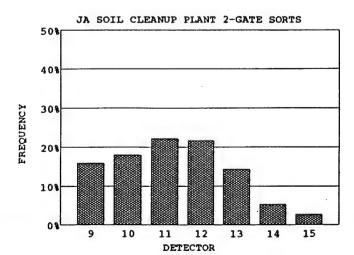


JA SOIL CLEANUP PLANT HOT PARTICLES



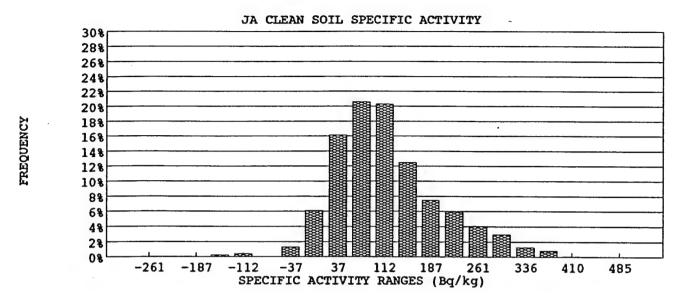


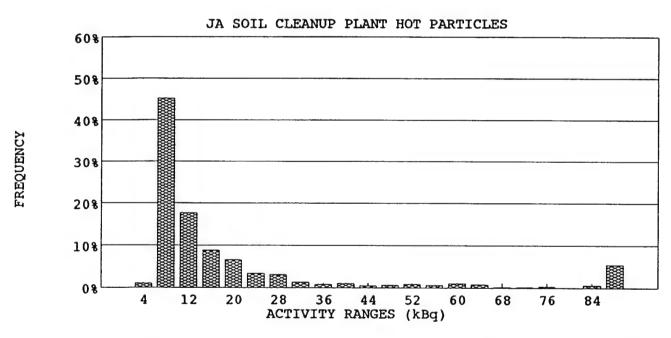


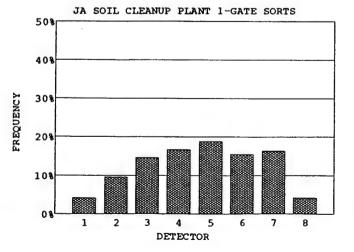


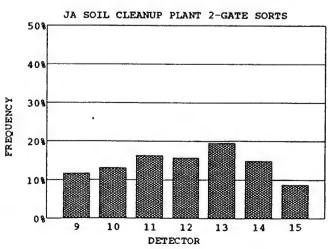
WORK DAY START	06:00 AM	WORK DA	Y END	16:30 PM	
LUNCH START	11:00 AM	TIMELOS	r during lunch	0.5 HR	
	SORTER 1	SORTE	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS	10.0	hr 10.0	hr 10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOUR	S 9.4	hr 9.4	hr 0.0 hr	0.0 hr	18.7 hr
SORTER START-UP	06:33	06:33	NA	NA	
START SOIL PROCESSING	06:37	06:37	NA	NA	
TIME REQUIRED TO START	-UP 0.1	hr 0.1	hr 0.0 hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN	16:24	16:24	NA	NA	
END SOIL PROCESSING	16:08	16:09	NA	NA	
TIME REQUIRED TO SHUT I	OOWN 0.3	hr 0.2	hr 0.0 hr	0.0 hr	0.5 hr
ACTUAL PROCESS HOURS	8.5	hr 8.6	hr 0.0 hr	0.0 hr	17.1 hr
DOWN-TIME	0.8	hr 0.8	hr 0.0 hr	0.0 hr	1.6 hr
SYSTEM PAUSE	1.0	hr 1.0	hr 0.0 hr	0.0 hr	1.9 hr
SORTER NONAVAILABLE TI	ME 0.6	hr 0.6	hr 10.0 hr	10.0 hr	21.3 hr
AUTHORIZED DELAY TIME	0.0	hr 0.0	hr 10.0 hr	10.0 hr	20.0 hr
PLANT PERFORMANCE					91.4%
PRODUCTIVTY	•				42.8%
PRODUCTIVITY					
Date	03-Aug-94		Excused Delays for	day (sorter-hrs)	20 hr
Contract day (from 6 Sep)	273		Excused delays for c	ontract (sorter-hrs)	4,872 hr
Current Contract week	46		Excused delay days	(plant – days)	122 days
			Excused delay mont	hs (plant-month)	4.68 months
Soil production for Day	165	MT			
Cumlative Soil Production for We	eek 552	MT	Percent of contract of	completed	55.1%
Total Soil production for contract	1		Tons Ahead or Behi	nd Schedule	1,808 MT
Since 6 Sep 93	53,489	MT	Days ahead or behin	d schedule	5.7 days
Since 6 Aug 93	55,080	МТ			
Total Soil production for project	81,367	MT			

SORT	TER 1		<u> </u>					03-Aug-94		
		SORTER SOIL	DENSITY	1.15 to	ns/m³		BACKGROUNI		0.69	± 0.02 c/s
SOIL					CONTAN	MINATED	CLEAN	-	TOTA	L
	MASS TO	TAL			**-	tons	81.5 to		82.4 1	ons
	MAXIMU	•			53.6	•	53.6 kg			
	MINIMU				0.7 0.7	_	48.9 kg 64.6 yd		65.3 y	.d3
		E IN-GROUND RECOVERY (T+CI FAN		98.9%			05.5	ď
ACTI	VITY	RECOVERT	CLL2H4/(HO	110000		70.70		RSED + PART	ICLE	
ACII	VIII				PART	nae	НОТ		CLEAN	
	TOTAL				16,840		3,787 kH		7,995 1	rBo
	MAXIMU	JM/SORT			-	kBq	394 kF	•	20 1	-
	MINIMU					kBq	0 B	•	-91	•
	SPECIFIC	CACTIVITY					4,311 Bo	ı/kg	98 1	Bq/kg
SORT	ΓS									
	20-SEC 1	PROCESS PERI	ODS				1,538		UNEXP	PAUSE
		ALL 80 ELEME	ENTS SORT (MD>0&M	ND=0)	6			ПМЕ	TIME
		NONE (AD=0				1,178			07:15	10:54
		SOME (AD>0				354			08:32	
		UNEXPLAINE			0				09:09	
			<ad<1kbq< td=""><td></td><td>5</td><td></td><td></td><td></td><td>10:44</td><td></td></ad<1kbq<>		5				10:44	
			D=0 & MD>		0				13:38	
	2-SEC C	A OUNT PERIOD	D<0 & MD :	-0	U		15,380			
	2-SEC C	2-SEC RECOR		ORTS		678	•			
		2-SEC RECOR				14,702				
	TOTAL P	ROCESS RECO			0-s PERIODS	S)	2,216			
		CESSING REC					7			
	2-SEC S	ORT DETECTO	RS							
		1 DET	491	72.42%		5 DET	1	0.15%		
		2 DET	148	21.83%		6 DET	0	0.00%		
		3 DET	30 8	4.42% 1.18%		7 DET 8 DET	. 0	0.00% 0.00%		
	AVERAC	4 DET SE TIME BETW	_		62.6		U	0.00%		
FREC		CY DISTRI			02.0	300				
	TE SORTS		ACT ND	NUM	SPEC A	FRFO%	ACT_P	NUM		FREO%
DET		FREO%	(Bq)	(#)	(Bq/kg)	INLOW	(kBq)	(#)		TREQU
1	14	4.2%	-14000	ó	-261	0.0%	,	ìή		1.0%
2	32	9.6%	-12000	0	-224	0.0%	8	307		45.3%
3		14.6%	-10000	0	-187	0.0%	12	120		17.7%
4	56	16.7%	-8000	3	-149	0.2%	16	60		8.8%
5	63	18.8%	-6000	6	-112	0.4%	20	45		6.6%
6	52	15.5%	-4000	0	-75	0.0%	24	23		3.4%
7	55	16.4%	-2000	20	-37	1.3%	28	21		3.1%
8 TOTAL	14	4.2%	0 2000	94 248	0 37	6.1% 16.1%	32 36	9 5		1.3% 0.7%
TOTAL	335		4000	317	75	20.6%	40	7		1.0%
2-GA7	TE SORTS		6000	312	112	20.3%	44	3		0.4%
DET		FREQ%	8000	192	149	12.5%	48	4		0.6%
9	40	11.7%	10000	115	187	7.5%	52	6		0.9%
10	45	13.1%	12000	91	224	5.9%	56	4		0.6%
11		16.3%	14000	62	261	4.0%	60	7		1.0%
12		15.7%	16000	46	299	3.0%	• 64	5		0.7%
13	67	19.5%	18000	19	336	1.2%	68	1		0.1%
14	51	14.9%	20000	13	373	0.8%	72	1		0.1%
15		8.7%	22000	1	410	0.1%	76	2		0.3%
TOTAL	343		24000	0	448	0.0%	80	0		0.0%
			26000	0	485	0.0%	84	4		0.6%
			>28000	1.520	0	0.0%	>84	37		5.5%
EVENT	TVDEC	UDE	TOTAL	1,539 MDE	162	Dice	TOTAL 472	678		
EVENT	TYPES	HPE	692	MPE_	153	DISE	412			

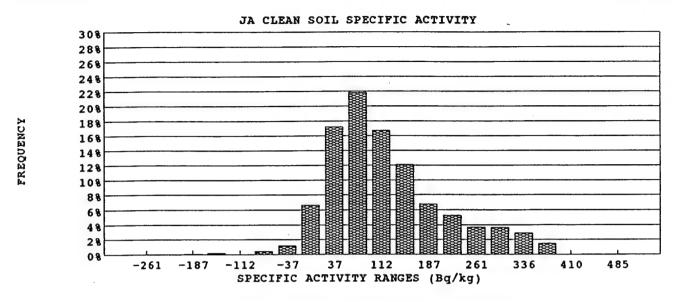


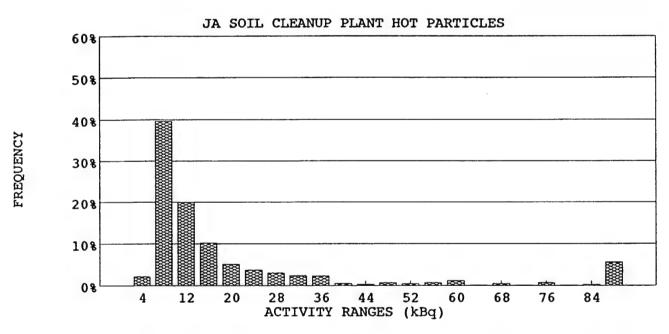


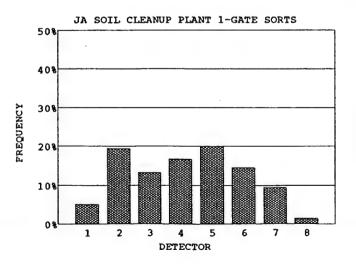


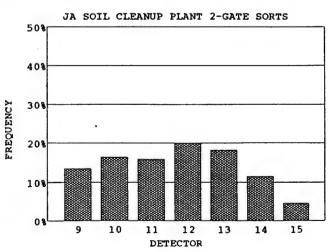


SORTE	R 2							Aug-94		
		RTER SOIL	DENSITY	1.15 to	ns/m³	В	ACKGROUND		0.74 ±	
SOIL					CONTAM	INATED	CLEAN -		TOTA	
M	ASS TOTA	L			1.8	tons	80.8 tons		82.5 to	ons
M	AXIMUM	SORT			53.6	-	53.6 kg			
	NIMUM/				0.7	•	45.5 kg			
		N-GROUND			1.4		64.0 yd ³		65.4 y	d³
		COVERY (C	CLEAN/(HO)	(+CLEAN))	97.9%				
ACTIVI	TY							D + PARTI		
					PART		HOT	(CLEAN	
TC	TAL .				43,969	•	9,236 kBq		8,152 k	-
M.	AXIMUM	SORT			4,220	•	1,689 kBq		20 k	-
	NIMUM/				3	kBq	0 Bq		-6 k	_
	ECIFIC A	CTIVITY	···				5,256 Bq/kg		101 E	lq/kg
SORTS								_		
20		OCESS PERI					1,540			PAUSE
		L 80 ELEME			ND=0	20		1	TIME	TIME
	N	ONE (AD=0	& MD=0 & N	IND>0)	D	1,134			08:00	10:54
					D <mndmax)< td=""><td>386</td><td></td><td></td><td>08:48</td><td></td></mndmax)<>	386			08:48	
	U	VEXPLAINE			0				10:25	
•			<ad<1kbq &<="" td=""><td></td><td>3</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq>		3					
			D=0 & MD>		0					
	ero co		D<0 & MD :	>0	0		15,400			
2-		INT PERIOD SEC RECOR		אד מר		857	10,700			
		SEC RECOR				14,543				
TY					-s PERIODS	•	2,397			
		ESSING REC				,	5			
		TDETECTO			,					
-		DET	624	72.81%		5 DET	3	0.35%		
		DET	182	21.24%		6 DET	0	0.00%		
		DET	38	4.43%		7 DET	0	0.00%		
		DET	10	1.17%		8 DET	0	0.00%		
A ^v	VERAGE	TIME BETW	EEN 2-SEC	SORTS	49.4	sec				
FREOU	JENCY	DISTRI	BUTION	1S						
1-GATE			ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	21	5.1%	-14000	Ò	-261	0.0%	4	19		2.2%
2	80	19.4%	-12000	0	-224	0.0%	8	339		39.6%
3	55	13.3%	-10000	1	-187	0.1%	12	171		20.0%
4	69	16.7%	-8000	3	-149	0.2%	16	88		10.3%
5	82	19.9%	-6000	0	-112	0.0%	20	44		5.1%
6	60	14.6%	-4000	7	-75	0.5%	24	32		3.7%
7	39	9.5%	-2000	18	-37	1.2%	28	26		3.0%
8	6	1.5%	0	101	0	6.6%	32	21		2.5%
TOTAL	412		2000	262	37	17.2%	36	20		2.3%
	oon		4000	333	75	21.8%	40 44	5 3		0.6% 0.4%
2-GATE		EDECO	6000	255	112 149	16.7% 12.1%	44 48	<i>5</i>		0.4%
	SORTS 60	FREQ% 13.5%	8000 10000	184 103	149	6.8%	52	4		0.7%
9 10	73	16.4%	12000	80	224	5.2%	56	6		0.7%
11	73 71	16.0%	14000	56	261	3.7%	60	10		1.2%
12	89	20.0%	16000	55	299	3.6%	. 64	1		0.1%
13	81	18.2%	18000	44	336	2.9%	68	4		0.5%
14	51	11.5%	20000	23	373	1.5%	72	1		0.1%
15	20	4.5%	22000	0	410	0.0%	76	6		0.7%
TOTAL _	445		24000	0	448	0.0%	80	1		0.1%
	. 10		26000	0	485	0.0%	84	2		0.2%
			>28000	0	0	0.0%	>84	48		5.6%
			TOTAL	1,525	Ü		TOTAL	857		







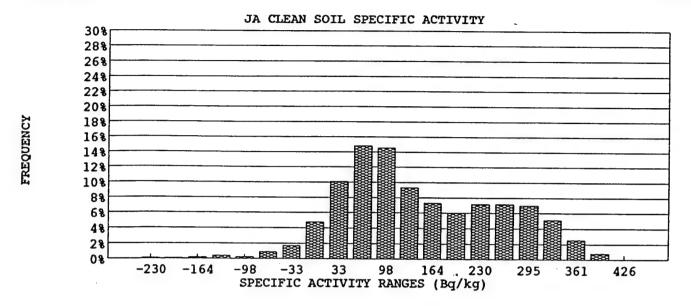


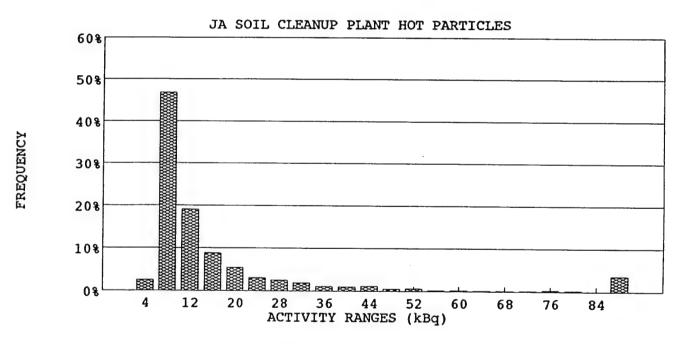
WORK HISTORY - JA SOIL CLEANUP PLANT

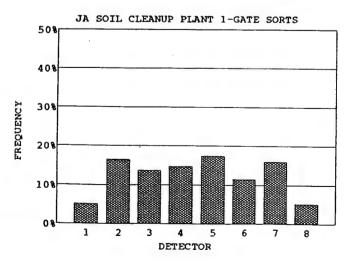
04-Aug-94

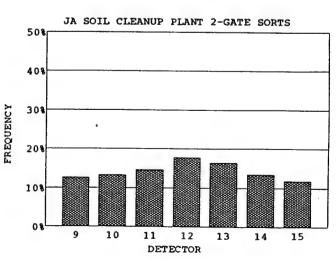
WORK DAY START	06:00 AM		WORK DAY	END	16:30 PM	
LUNCH START	11:00 AM		TIME LOST	DURING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
WORK HOURS		10.0 hr	10.0 h	r 10.0 hr	10.0 hr	(sorter hours) 40.0 hr
SORTER AVAILABLE HOURS	s	9.4 hr	9.4 h		0.0 hr	40.0 nr 18.8 hr
SORTER START-UP		06:32	06:32	NA	NA	10.6 nr
START SOIL PROCESSING		06:39	06:39	NA NA	NA NA	
TIME REQUIRED TO START-	-UP	0.1 hr	0.1 h		0.0 br	0.2 hr
SORTER SHUT-DOWN		16:25	16:25	NA NA	NA	0.2 m
END SOIL PROCESSING		16:14	16:11	NA.	NA NA	
TIME REQUIRED TO SHUT D	OWN	0.2 hr	0.2 h		0.0 hr	0.4 hr
ACTUAL PROCESS HOURS		7.1 hr	7.0 h	0.0	0.0 hr	0.4 m
DOWN-TIME		2.3 hr	2.4 hr	0.0	0.0 hr	4.7 hr
SYSTEM PAUSE		2.5 hr	2.5 hr		0.0 hr	5.0 hr
SORTER NONAVAILABLE TIL	ME	0.6 hr	0.6 hr		10.0 hr	21.2 hr
AUTHORIZED DELAY TIME	_	2.0 hr	2.0 hr		10.0 hr	24.0 hr
PLANT PERFORMANCE			2.0	10.0 111	10.0 m	75.1%
PRODUCTIVTY						35.3%
						33.370
PRODUCTIVITY						
Date	04	-Aug-94	E	cused Delays for da	ay (sorter – hrs)	24 hr
Contract day (from 6 Sep)		274			ntract (sorter-hrs)	4,896 hr
Current Contract week		46	Ex	cused delay days (p	plant – days)	122 days
			Ex	cused delay months	s (plant-month)	4.71 months
Soil production for Day		141 MT	•			
Cumlative Soil Production for Wes	ek	693 MT	Pe	rcent of contract co	ompleted	55.2%
Total Soil production for contract			To	ons Ahead or Behin	d Schedule	1,823 MT
Since 6 Sep 93		53,630 MT	Da	ays ahead or behind	schedule	5.8 days
Since 6 Aug 93		55,221 MT	•			•
Total Soil production for project		81,508 MT				

SORT	ER 1							04-Aug-94		
	S	ORTER SOIL	DENSITY	1.15 ton			BACKGROUNI)	0.70 ±	
SOIL					CONTAI	MINATED	CLEAN	-	TOTA	L
1	MASS TOT	AL				tons	68.2 to		70.9 t	ons
	MAXIMUN				61.0		61.0 kg			
	MINIMUM				0.7	-	46.2 kg			
		IN-GROUND		m. ~ ~		yd³	54.1 yd	3	56.2 y	d ₃
		RECOVERY (C	LEAN/(HO	I+CLEAN))		96.2%				
ACTI	VIIY							RSED + PARTIC		
						TICLE	нот		LEAN	_
	TOTAL				34,305	•	7,918 kF	•	9,945 k	•
	MAXIMUN	•			3,377	•	1,271 kF	•	23 k	•
	MINIMUM				3	kBq	0 Bo 2,953 Bo	•	-15 k	•
SORT	SPECIFIC A	ACIIVIII					2,933 BC	1/4 <u>8</u>	140 1	74/AB
		O OFFICE PERM	0.00				1.050		n www.n	DATICE
:		ROCESS PERIO		MDSARM	D-0)	20	1,278			PAUSE TIME
		LL 80 ELEME	•		D=0)	29			IIME 07:10	
		IONE (AD=0 & SOME (AD>0&			O-MNID	818) 451			07:19 09:35	11:25 13:56
		OME (AD>UA INEXPLAINEI			(20)	•			10:44	13:30
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			D=0 & MD>		0					
			D<0 & MD		0					
	2-SEC CO	UNTPERIOD					12,780			
	2	-SEC RECOR	DS WITH S	ORTS		1,285				
		-SEC RECOR				11,495				
		OCESS RECO				S)	2,563			
		CESSING REC		calibration, e	tc)		9			
		RT DETECTO								
		DEL	913	71.05%		5 DET	4	0.31%		
		DET	294			6 DET	0	0.00%		
		DET	61 13	4.75% 1.01%		7 DET 8 DET	0	0.00% 0.00%		
		ETIME BETWI			28.0		U	0.00%		
		Y DISTRI			20.0	300				
		I DISTRI			CDICO A	rn row	A COTE D	>17 13 d		rnro«
	ESORTS	FREQ%	ACT_ND	NUM		FREQ%		NUM		FREQ%
DET 1	SORTS 33	5.1%	(Bq) -14000	(#) 1	(Bq/kg) -230	0.1%	(kBq) 4	(#) 33		2.6%
2	106	16.5%	-14000 -12000	1	-230 -197		8	601		46.8%
3	88	13.7%	-10000	2	-164			245		19.1%
4	95	14.8%	-8000	5	-104	0.4%		114		8.9%
5	112	17.4%	-6000	3	-98			71		5.5%
6	74	11.5%	-4000	11	-66		24	40		3.1%
7	103	16.0%	-2000	21	-33		28	33		2.6%
8	33	5.1%	0	60	0		32	25		1.9%
TOTAL	644		2000	127	33		36	14		1.1%
			4000	186	66	14.8%		13		1.0%
	ESORTS		6000	183	98	14.5%		15		1.2%
DET	SORTS	FREQ%	8000	117	131	9.3%	48	7		0.5%
9	81	12.6%	10000	92	164	7.3%	52	8		0.6%
10	85	13.3%	12000	75	197	6.0%	56	3		0.2%
11	94	14.7%	14000	90	230		60	3		0.2%
12 13	114	17.8%	16000	90	262		• 64	2		0.2%
	105	16.4%	18000	88	295	7.0%	68	2		0.2%
14	86	13.4%	20000	64	328	5.1%	72	2		0.2%
15	76	11.9%	22000	32	361	2.5%	76	4		0.3%
TOTAL	641		24000	10	393	0.8%	80	3		0.2%
			26000	0	426	0.0%	84	0		0.0%
			>28000	0	0	0.0%	>84 _	47		3.7%
1	TT / D TO	***	TOTAL	1,258			TOTAL	1,285		
EVENT	I Y PES	HPE	1,298	MPE	223	DISE	2,237			

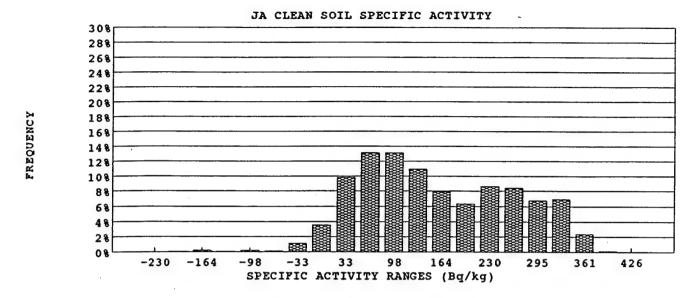


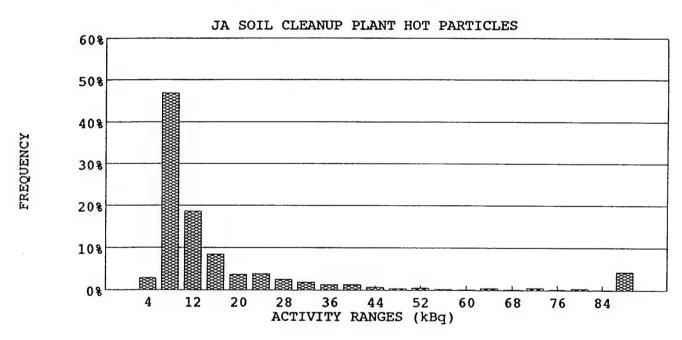


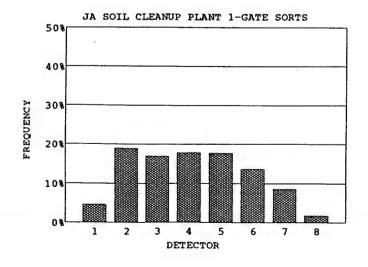


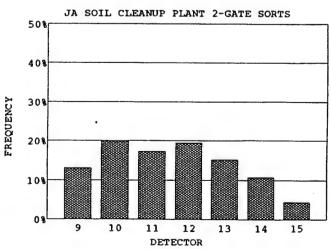


SORTE	ER 2							04-Aug-94		
	sc	RTER SOIL	DENSITY	1.15 to	ns/m³		BACKGROUN	_	0.77 :	± 0.05 c
SOIL					CONTAN	MINATED	CLEAN	1 -	TOTA	T.
	LASS TOTA					tons	65.6 to		69.8 t	ons
	IAXIMUM				61.0		61.0 kg	•		
	INIMUM/				0.7	-	44.2 kg			
		N-GROUND		F. ~ F.		yd³	52.0 yo	b	55.4 y	/d³
		ECOVERY (C	CLEAN/(HO	(+CLEAN))	93.9%				
ACTIV	IIY							ERSED + PART		
						TICLE	нот	_	CLEAN	
	OTAL	nonm			62,842	-	14,195 kl	-	10,479 1	
	IAXIMUM				6,774	•	3,306 kl	-	23)	-
	IINIMUM/ PECIFIC A				3	kBq	0 B 3,311 B	-	-10)	ква Ba/kg
SORTS		CIIVIII					3,311 B	ψ/ k g	100 1	oq/ kg
		OCESS DED I	200				1,260		INEVD	PAUSE
20		OCESS PERI	ODS ENTS SORT (MD>08M	ND=U/	57	1,200		TIME	TIME
			& MD=0 & N			736			10:21	11:25
					D <mndmax< td=""><td></td><td></td><td></td><td>10.21</td><td>13:54</td></mndmax<>				10.21	13:54
		•	D RECORDS		(51)					13.54
	0.		<ad<1kbq &<="" td=""><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq>		1					
			D=0 & MD>		0					
			D<0 & MD >		0					
2-	-SEC COL	INTPERIOD					12,600			
	2-	SEC RECOR	EDS WITH SO	ORTS		1,459				
	2-	SEC RECOR	RDS WITHOU	JT SORTS		11,141				
					0-s PERIODS	S)	2,719			
			ORDS (Test,				11			
2-		TDETECTO								
		DET	1,030	70.60%		5 DET	4	0.27%		
		DET	329	22.55%		6 DET	0	0.00%		
		DET	77	5.28%		7 DET	0	0.00%		
•		DET	19	1.30%		8 DET	0	0.00%		
			EEN 2-SEC BUTION		24.5	SEC				
_		ואומע			anna .	rn roa				DD D0 ~
1-GATE		FDF00	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#)		2.00
1 2	34 139	4.6% 18.9%	-14000 -12000	0 1	-230 -197	0.0% 0.1%	4 8	42 683		2.9% 46.8%
3	124	16.9%	-12000	3	-197 -164	0.1%	12	271		18.6%
4	131	17.8%	-8000	1	-131	0.1%	16	123		8.4%
5	130	17.7%	-6000	3	-98	0.2%	20	55		3.8%
6	100	13.6%	-4000	2	-66	0.2%	24	57		3.9%
7	63	8.6%	-2000	14	-33	1.2%	28	38		2.6%
8	13	1.8%	0	43	0	3.5%	32	28		1.9%
TOTAL —	734		2000	119	33	9.8%	36	20		1.4%
			4000	159	66	13.1%	40	19		1.3%
2-GATE			6000	159	98	13.1%	44	11		0.8%
	SORTS	FREQ%	8000	133	131	11.0%	48	6		0.4%
9	95	13.1%	10000	96	164	7.9%	52	8		0.5%
10	144	19.9%	12000	77	197	6.3%	56	4		0.3%
11	125	17.2%	14000	105	230	8.6%	60	3		0.2%
12	141	19.4%	16000	102	262	8.4%	64	7		0.5%
13	110	15.2%	18000	82	295	6.8%	68	3		0.2%
14	78	10.8%	20000	84	328	6.9%	72	8		0.5%
15_	32	4.4%	22000	29	361	2.4%	76	2		0.1%
TOTAL	725		24000	2	393	0.2%	80	6		0.4%
			26000	0	426	0.0%	84	1		0.1%
			>28000 _	0	0	0.0%	>84 _	64		4.4%
			TOTAL	1,214			TOTAL	1,459		
EVENTTY	PES	HPE	1,458	MPE	243	DISE	4,470			





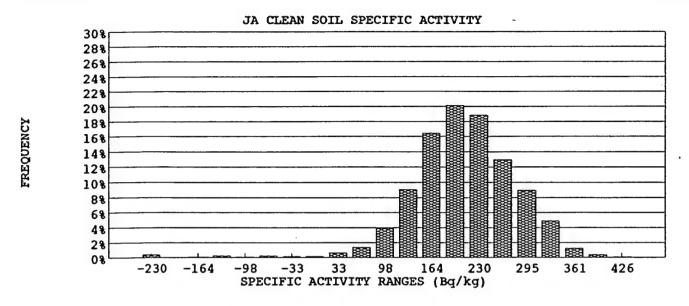


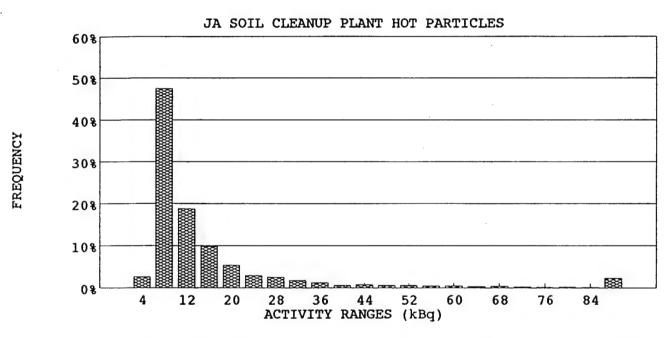


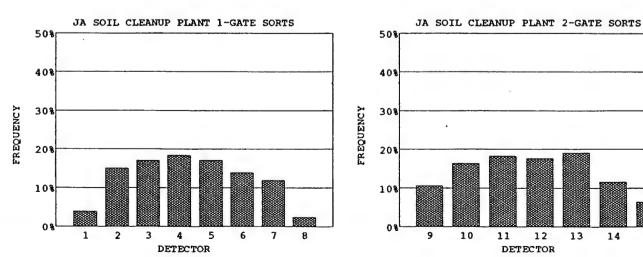
WORK DAY START	06:00 AM		WORK DAY	END	16:30 PM	
LUNCH START	11:00 AM		TIME LOST D	OURING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOUR	S	9.4 hr	9.4 hr	0.0 hr	0.0 hr	18.8 hr
SORTER START-UP		06:26	06:26	NA	NA	
START SOIL PROCESSING		06:31	06:31	NA	NA	
TIME REQUIRED TO START	-UP	0.1 hr	0.1 hr	0.0 hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN		16:20	16:20	NA	NA	
END SOIL PROCESSING		16:12	16:12	NA	NA	
TIME REQUIRED TO SHUT I	DOWN	0.1 hr	0.1 hr	0.0 hr	0.0 hr	0.3 hr
ACTUAL PROCESS HOURS		8.3 hr	8.3 hr	0.0 hr	0.0 hr	16.6 hr
DOWN-TIME		1.1 hr	1.1 hr	0.0 hr	0.0 hr	2.2 hr
SYSTEM PAUSE		1.3 hr	1.3 hr	0.0 hr	0.0 hr	2.7 hr
SORTER NONAVAILABLE T	IME	0.6 hr	0.6 hr	10.0 hr	10.0 hr	21.2 hr
AUTHORIZED DELAY TIME		0.0 hr	0.0 hr	10.0 hr	10.0 hr	20.0 hr
PLANT PERFORMANCE						88.4%
PRODUCTIVTY						41.6%
PRODUCTIVITY						
Date	0:	5-Aug-94	Ex	cused Delays for da	ay (sorter – hrs)	20 hr
Contract day (from 6 Sep)		275	Ex	cused delays for co	ntract (sorter-hrs)	4,916 hr
Current Contract week		46	Ex	cused delay days (p	olant-days)	123 days
			Ex	cused delay months	s (plant-month)	4.73 months
Soil production for Day		183 M7	Γ			
Cumlative Soil Production for W	eek	876 MT	Γ Pe	rcent of contract co	ompleted	55.4%
Total Soil production for contrac	t		То	ns Ahead or Behin	d Schedule	1,847 MT
Since 6 Sep 93	1	53,813 M7	Γ Da	ys ahead or behind	schedule	5.8 days
Since 6 Aug 93	3	55,404 MT	Γ			
Total Soil production for project		81,690 MT	Γ			

SORT	TER 1						C	5-Aug-94		
	S	ORTER SOIL	DENSITY	1.31_to	ons/m³	1	BACKGROUND)	0.82 ± 0.04 c/s	
SOIL					CONTAI	MINATED	CLEAN	~	TOTAL	
	MASS TOTAL					4.1 tons		ns	91.2 tons	
	MAXIMUM				61.0	•	61.0 kg			
	MINIMUM				0.8	•	50.3 kg		70.2	
		N-GROUNI ECOVERY (T.L.C. EAN		yd³ 95.5%	69.0 yd³		72.3 yd³	
	VITY	ECOVERI	CLEAN/(HO	TTULEAN))	93.3%	Diene	OCED , DADE	OL F	
ACII	VIII				DAD	nae	HOT	RSED + PARTI	CLEAN	
	TOTAL						18,420 kB		17,504 kBq	
	TOTAL MAXIMUM/SORT					85,907 kBq 9,222 kBq		4 9	24 kBq	
	MINIMUM/SORT					3 kBq		4	-18 kBq	
	SPECIFIC ACTIVITY							/kg	201 Bq/kg	
SORT	CS									
		OCESS PERI	ODS				1,495	1	UNEXP PAUSE	
		LL 80 ELEME		MD>0&M	ND=0)	13			тіме тіме	
	NONE (AD=0 & MD=0 & MND>0)					303			10:49 11:22	
					ID <mndmax< td=""><td>) 1,179</td><td></td><td></td><td>11:09</td></mndmax<>) 1,179			11:09	
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•		UNT PERIOD -SEC RECOR		APTS:		3,902	14,950			
		-SEC RECOR				3,902 11,048				
					0-s PERIODS		5,397			
		ESSING REC				-,	8			
		TDETECTO	•	·						
	1 1	DET	2,880	73.81%		5 DET	11	0.28%		
	2 DET 829 21.25%				6 DET	0	0.00%			
	3 DET			4.07%		7 DET	0	0.00%		
4 DET 23 0.59% AVERAGE TIME BETWEEN 2 – SEC SORTS						8 DET	0	0.00%		
					10.4	sec				
	_	DISTRI								
1	ESORTS		ACT_ND	NUM	_	FREQ%	ACT_P	NUM	FREQ%	
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	0.40	(kBq)	(#)	0.69	
1	79	4.0%	-14000	6	-230	0.4%	4	102	2.6%	
3	299 339	15.0% 17.0%	-12000 -10000	0 1	-197 -164	0.0%	8 12	1,854 732	47.5%	
4	367	18.5%	-8000	3	-164 -131	0.1% 0.2%	16	381	18.8% 9.8%	
5	341	17.1%	-6000	1	-131 -98	0.1%	20	212	5.4%	
6	278	14.0%	-4000	3	-66	0.2%	24	116	3.0%	
7	238	12.0%	-2000	2	-33	0.1%	28	101	2.6%	
8	48	2.4%	0	2	0	0.1%	32	69	1.8%	
TOTAL	1,989		2000	9	33	0.6%	36	49	1.3%	
			4000	20	66	1.3%	40	24	0.6%	
	ESORTS	rn ro ~	6000	58	98	3.9%	44	30	0.8%	
DET 9	SORTS	FREQ%	8000	135	131	9.1%	48	23	0.6%	
10	202 314	10.6% 16.4%	10000 12000	245 300	164 197	16.4% 20.1%	52 56	23 17	0.6% 0.4%	
11	349	18.2%	14000	281	230	18.9%	60	17	0.4%	
12	337	17.6%	16000	193	262	13.0%	• 64	11	0.3%	
13	365	19.1%	18000	134	295	9.0%	68	14	0.4%	
14	222	11.6%	20000	73	328	4.9%	72	10	0.3%	
15	124	6.5%	22000	18	361	1.2%	76	7	0.2%	
TOTAL	1,913		24000	5	393	0.3%	80	10	0.3%	
	,		26000	1	426	0.1%	84	8	0.2%	
			>28000	0	0	0.0%	>84	90	2.3%	
			TOTAL	1,490	Ü		TOTAL	3,902		
THE PERSON OF	CYPES	HPE	3,897	MPE	539	DISE	986	,		

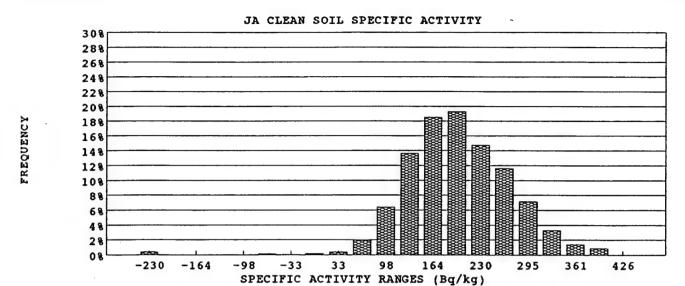
14

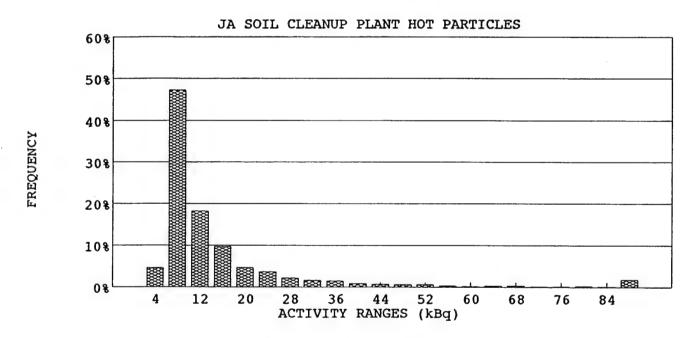


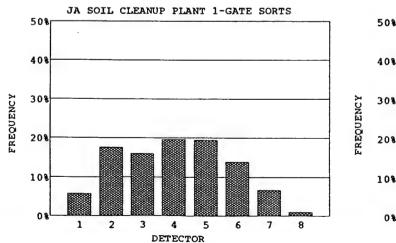


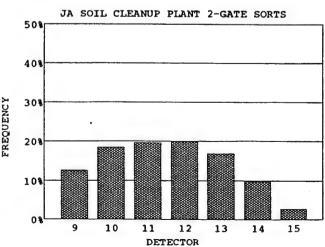


SORTI		DTCD COT	DEMONT	121		,		-Aug-94	0.00	. 004
COTT	SC	ORTER SOIL	DENSITY	1.31 to			BACKGROUND		0.89	
SOIL						MINATED	CLEAN	•	TOTA	
	ASS TOTA					tons	86.9 tons		91.3 1	ions
	AXIMUM				61.0	_	61.0 kg			
	AINIMUM/				0.8	•	48.8 kg		72.4.	
		N-GROUNI) CLEAN/(HO	T+CI EAN		yd ³ 95.1%	68.9 yd³		72.4 y	ya ³
ACTIV		CCOVERT	CLEMINITO	ITCLEAN		93.170	DIODED	250 . 0.00		
ACIIV	11 1				212			SED + PART		
-	NOTE A T					TICLE	HOT		CLEAN	
	OTAL IAXIMUM	KULL			62,959	kBq	14,650 kBq		16,597	_
	INIMUM/					kBq	158 kBq 0 Bq		24 1 -6 1	_
	PECIFIC A				-	KD q	3,303 Bq/k	o		юц Bq/kg
SORTS							3,000 2041	Δ		547 114
		OCESS PERI	ODS				1,497		IMEYD	PAUSE
2			ODS ENTS SORT (MD>n&M	ND=0/	11	1,47/		TIME	TIME
			& MD=0 & N			250			07:07	11:22
					D <mndmax< td=""><td></td><td></td><td></td><td>09:35</td><td>11.66</td></mndmax<>				09:35	11.66
		•	D RECORDS		0	, -,			09:35	
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			D=0 & MD>		0				10:24	
		Α	D<0 & MD :	>0	0				14:03	
2	-SEC COU	INT PERIOD	S				14,970			
			RDS WITH SO			4,352				
			RDS WITHOU			10,618				
					0-s PERIODS	5)	5,849			
			ORDS (Test,	calibration,	elc)		6			
2.		T DETECTO DET		74.17%		5 DET	3	0.07%		
		DET	920	21.14%		6 DET	0	0.00%		
		DET	175	4.02%		7 DET	. 0	0.00%		
		ET	26	0.60%		8 DET	0	0.00%		
Α			EEN 2-SEC		9.3		_			
FREO	JENCY	DISTRI	BUTION	IS						
1-GATE			ACT_ND	NUM	SPEC A	FREO%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	TREQ#	(kBq)	(#)		
1	126	5.8%	-14000	6	-230	0.4%	4	200		4.6%
2	385	17.6%	-12000	0	-197		8	2,055		47.2%
3	350	16.0%	-10000	0	-164	0.0%	12	791		18.2%
4	428	19.6%	-8000	0	-131	0.0%	16	421		9.7%
5	425	19.4%	-6000	0	-98	0.0%	20	204		4.7%
6	305	13.9%	-4000	2	-66	0.1%	24	158		3.6%
7	147	6.7%	-2000	1	-33	0.1%	28	97		2.2%
8_	22	1.0%	0	3	0	0.2%	32	71		1.6%
TOTAL	2,188		2000	6	33	0.4%	36	65		1.5%
2_CATE	SCHOOL		4000	29	66	1.9%	40	37		0.9%
2-GATE DET	SORTS	FREQ%	6000 8000	95 203	98	6.4%	44 48	33 27		0.8%
9	272	12.6%	10000	203 276	131 164	13.6% 18.5%	48 52	27		0.6% 0.6%
10	399	18.4%	12000	288	197	19.3%	56	16		0.6%
11	424	19.6%	14000	220	230	14.7%	60	7		0.2%
12	432	20.0%	16000	173	262	11.6%	64	16		0.4%
13	364	16.8%	18000	107	295	7.2%	68	15		0.3%
14	213	9.8%	20000	49	328	3.3%	72	9		0.2%
15	60	2.8%	22000	21	361	1.4%	76	8		0.2%
TAL -	2,164		24000	13	393	0.9%	80	10		0.2%
			26000	0	426	0.0%	84	7		0.2%
			>28000	0	0	0.0%	>84	78		1.8%
			TOTAL	1,492			TOTAL	4,352		
	PES	HPE	4,384	MPE	589	DISE	831			







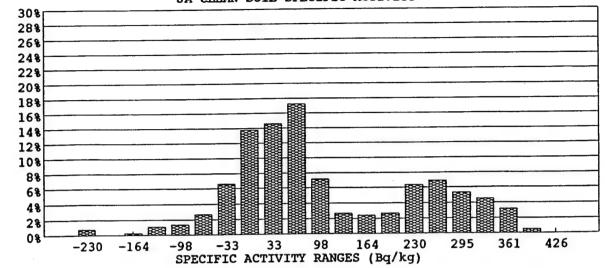


WORK DAY START	06:00 AM		WORK DA	Y END		16:30 PM	
LUNCH START	11:00 AM		TIME LOST	DURING L	UNCH	0.5 HR	
		SORTER 1	SORTER	2 SORT	ER 3	SORTER 4	TOTAL
							(sorter hours)
WORK HOURS		10.0 hr	10.0	hr 10.0	hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOUR	S	3.1 hr	3.1	hr 0.0	hr	0.0 hr	6.2 hr
SORTER START-UP		07:09	07:09	NA		NA	•
START SOIL PROCESSING		07:14	07:14	NA		NA	
TIME REQUIRED TO START	-UP	0.1 hr	0.1	hr 0.0	hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN		10:15	. 10:15	NA		NA	
END SOIL PROCESSING		10:04	10:02	NA		NA	
TIME REQUIRED TO SHUT D	OWN	0.2 hr	0.2	hr 0.0	hr	0.0 hr	0.4 hr
ACTUAL PROCESS HOURS		2.0 hr	1.9	hr 0.0	hr	0.0 hr	3.9 hr
DOWN-TIME		1.1 hr	1.2	hr 0.0	hr	0.0 hr	2.3 hr
SYSTEM PAUSE		0.8 hr	0.8	hr 0.0	hr	0.0 hr	1.6 hr
SORTER NONAVAILABLE TI	ME	6.9 hr	6.9	hr 10.0	hr	10.0 hr	33.8 hr
AUTHORIZED DELAY TIME		0.0 hr	0.0	hr 10.0	hr	10.0 hr	20.0 hr
PLANT PERFORMANCE							63.4%
PRODUCTIVTY							9.8%
PRODUCTIVITY							
Date	06	5-Aug-94	1	Excused Delay	s for da	y (sorter—hrs)	20 hr
Contract day (from 6 Sep)		276	1	Excused delays	s for con	tract (sorter-hrs)	4,936 hr
Current Contract week		46]	Excused delay	days (pl	ant-days)	123 days
			1	Excused delay	months	(plant-month)	4.75 months
Soil production for Day		43 M7	Γ				
Cumlative Soil Production for We	ek	919 M7	r :	Percent of con	tract cor	mpleted	55.4%
Total Soil production for contract			•	Tons Ahead or	r Behind	Schedule	1,732 MT
Since 6 Sep 93		53,856 MT	1	Days ahead or	behind:	schedule	5.5 days
Since 6 Aug 93	}	55,447 MT	Γ				
Total Soil production for project		81,733 MT	Γ				

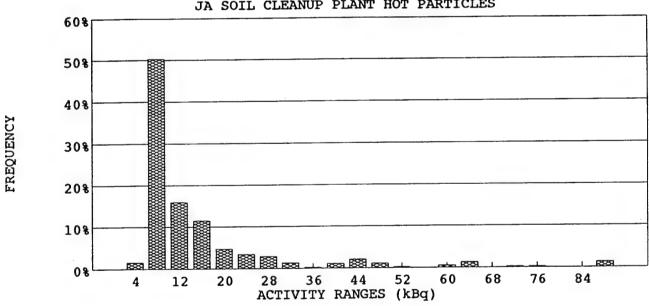
JOIN	TER 1	CODTED CO						-Aug-9	4	
SOIL		SORTER SO	IL DENSITY	1.31 1	ons/m³		BACKGROUND		0.73	± 0.04
SOIL					CONTA	MINATED	CLEAN -		TOTA	
	MASS TO					3 tons	21.8 tons		22.1 to	ons
	MAXIMU				9.	9 kg	61.0 kg			
	MINIMU				0.0	8 kg	51.1 kg			
		IN-GROUN			0.3	3 yd³	17.2 yd3		17.5 y	d³
A CTIVI		RECOVERY	(CLEAN/(HC	OT+CLEAN	D)	98.5%				
ACII	VITY						DISPERSE	D + PAR	TICLE	
					PAR	TICLE	нот		CLEAN	
	TOTAL				5,331	kBq	1,243 kBq		2,126 k	Do
	MAXIMU				174	kBq	76 kBq		23 k	•
	MINIMUI	-			3	kBq	0 Bq		-11 k	
0077		ACTIVITY					3,735 Bq/kg		98 B	_
SORT	S							-	,,,,	44.6
	20-SEC P	ROCESS PER	RIODS				362		Inmo	DATION
		ALL 80 ELEM	ENTS SORT	(MD>0&M	ND=0)	0	302		UNEXP	
		NONE (AD=0			,	235			TIME	TIME
		SOME (AD>0	0&0 <md<m< td=""><td>NDmax&MN</td><td>ID<mndmax< td=""><td>127</td><td></td><td></td><td>07:41</td><td>08:13</td></mndmax<></td></md<m<>	NDmax&MN	ID <mndmax< td=""><td>127</td><td></td><td></td><td>07:41</td><td>08:13</td></mndmax<>	127			07:41	08:13
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		OUNT PERIO					3,620			
		-SEC RECO				382	-,			
		-SEC RECO				3,238				
·	TOTAL PR	OCESS REC	ORDS (2-s S	ORTS and 20	0-s PERIOD	S)	744			
	NONPRO	CESSING REC	CORDS (Test,	calibration,	etc)		15			
		RT DETECTO								
		DET	267	69.90%		5 DET	0	0.00%		
		DET	84	21.99%		6 DET	0	0.00%		
		DET	25	6.54%		7 DET	0	0.00%		
		DET	6	1.57%		8 DET	0	0.00%		
EDEO	TIENIO	TIME BETW	EEN 2-SEC	SORTS	27.1	sec				
		Y DISTR	IROLION	1 S						
	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM	r	REQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)	•	KLQ%
1	3	1.6%	-14000	3	-230	0.8%	4	6		1.6%
2	23	12.0%	-12000	0	-197	0.0%	8	192		50.3%
3	36	18.8%	-10000	1	-164	0.3%	12	61		16.0%
4	35	18.2%	-8000	4	-131	1.1%	16	44		11.5%
5	38	19.8%	-6000	5	-98	1.3%	20	18		4.7%
6	22	11.5%	-4000	10	-66	2.7%	24	13		3.4%
7 8	26	13.5%	-2000	25	-33	6.6%	28	11		2.9%
OTAL -	9	4.7%	0	52	0	13.8%	32	5		1.3%
OIAL	192		2000	55	33	14.6%	36	1		0.3%
-GATE	SODTS		4000	65	66	17.2%	40	4		1.0%
DET	SUBJC SUR 12	EDEO#	6000	27	98	7.2%	44	8		2.1%
9	22	FREQ%	8000	10	131	2.7%	48	4		1.0%
10	28	11.6%	10000	9	164	2.4%	52	1		0.3%
11	30	14.7% 15.8%	12000	10	197	2.7%	56	0		0.0%
12	36	18.9%	14000	24	230	6.4%	60	2		0.5%
13	31		16000	26	262	6.9%	· 64	5		1.3%
14		16.3%	18000	20	295	5.3%	68	0		0.0%
15	23	12.1%	20000	17	328	4.5%	72	1		0.3%
OTAL -	20	10.5%	22000	12	361	3.2%	76	1		0.3%
TAL	190		24000	2	393	0.5%	80	o		0.0%
			26000	0	426	0.0%	84	0		0.0%
			>28000 _	0	0	0.0%	>84	5		1.3%
			TOTAL	377						1.5/0
ENT TY	DEC	HPE	389	MPE			TOTAL	382		

FREQUENCY

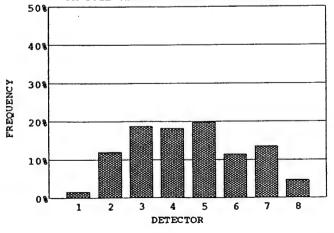




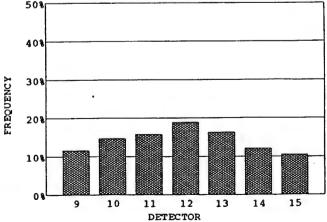
JA SOIL CLEANUP PLANT HOT PARTICLES



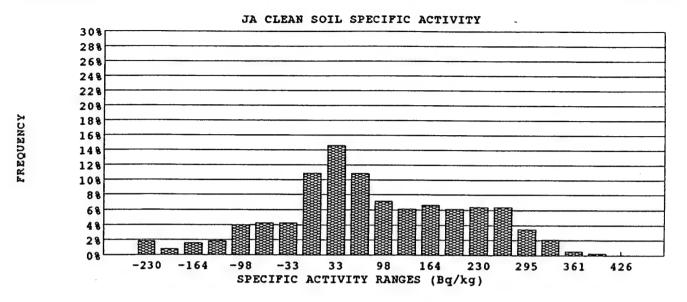


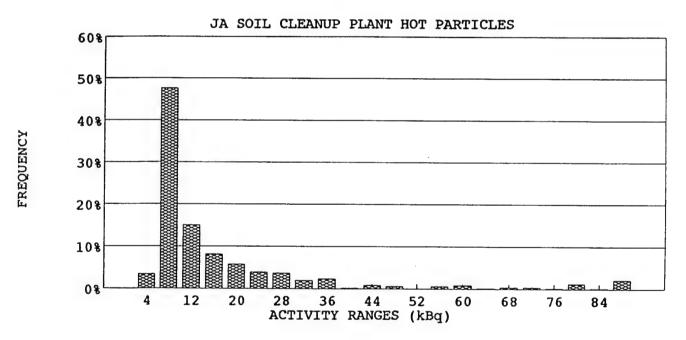


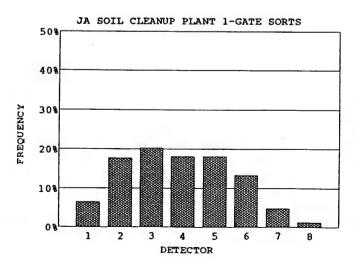
JA SOIL CLEANUP PLANT 2-GATE SORTS 50%

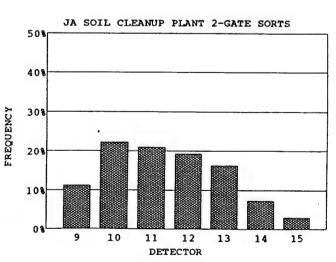


NONE (AD=0 & MD=0 & MND>0) 207 None SOME (AD>0&0 < MD < MNDmax & MNDmax) 138 UNEXPLAINED RECORDS 0 0 < AD<1kBq & MD>0 0 AD=0 & MD>0 0 AD=0 & MD>0 0 2-SEC COUNT PERIODS 3,450 2-SEC RECORDS WITH SORTS 466 2-SEC RECORDS WITHOUT SORTS 2,984 TOTAL PROCESS RECORDS (2-s SORTS and 20-s PERIODS) 811 NONPROCESSING RECORDS (Test, calibration, etc) 32 2-SEC SORT DETECTORS 1 DET 331 71.03% 5 DET 1 0.21% 2 DET 101 21.67% 6 DET 0 0.00% 3 DET 26 5.58% 7 DET 0 0.00% 4 DET 7 1.50% 8 DET 0 0.00% AVERAGE TIME BETWEEN 2-SEC SORTS 20.8 sec FREQUENCY DISTRIBUTIONS	
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MAXMUMSORT MINIMUMSORT VOLUME IN—GROUND WEIGHT RECOVERY (CLEAN/HOT+CLEAN)) ACTIVITY TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL MAXMUMSORT MINIMUMSORT 1,484 kBq MAXMUMSORT 1,484 kBq MAXMUMSORT MINIMUMSORT 1,484 kBq MAXMUMSORT MINIMUMSORT 3 kBq MAYMUMSORT 3 kBq MAYMUMSORT 3 kBq MAYMUMSORT MINIMUMSORT 3 kBq MAYMUMSORT MINIMUMSORT 3 kBq MAYMUMSORT MINIMUMSORT 3 kBq MAYMUMSORT MINIMUMSORT MINIMUMSORT MINIMUMSORT MINIMUMSORT MINIM	-
MINIMUMASORT VOLUME IN-GROUND WEIGHT RECOVERY (CLEAN/HOT+CLEAN)) ***PARTICLE** TOTAL ***PARTICLE** **PARTICLE** ***PARTICLE**	ns
VOLUME IN-GROUND 0.3 yell 16.4 yell 16.7 yell ACTIVITY PARTICLE HOTT CLEAN(HOT+CLEAN)) DISPERSED + PARTICLE TOTAL PARTICLE HOT CLEAN MAXIMUMSORT 1,484 kBq 431 kBq 22 kBq 188 22 kBq 89 kG 89 kG 80 kg 14 kBq 4917 kBq/kg 80 kG	
WEIGHT RECOVERY (CLEAN/HOT+ CLEAN) 98.1%	
ACTIVITY PARTICLE	,
TOTAL TOTAL MAXIMUM/SORT MANIMUM/SORT MINIMUM/SORT SPECIFIC ACTIVITY 2 - SEC PROCESS PERIODS ALL 80 ELEMENTS SORT (MD>0&MND=0) NOME (AD=0 & MD=0 & MND>0) NOME (AD=0 & MD=0 & MND>0) SORTS 2 - SEC PROCESS PERIODS ALL 80 ELEMENTS SORT (MD>0&MND=0) NOME (AD=0 & MD=0 & MND>0) SOME (AD=0 & MD=0 & MND>0) AD=0 & MD>0 3,450 2 - SEC RECORDS WITH SORTS 2 - SEC RECORDS WITH SORTS 2 - SEC RECORDS WITHOUT SORTS 3 - SEC RECORDS WITHOUT SORTS 2 - SEC RECORDS WITHOUT SORTS 3 - SEC RECORDS WITHOUT SORTS 2 - SEC SORT DETECTORS 1 DET 2 DET 10 1 21.67% 6 DET 3 DET 2 DET 10 1 21.67% 6 DET 3 DET 3 DET 3 DET 3 DET 4 DET 3 DET 3 DET 3 DET 4 DET 3 DET 3 DET 4 DET 3 DET 4 DET 5 SORT SORTS 4 DET 5 SORT SORTS 4 DET 4 DET 4 DET 4 DET 5 SORTS 4 DET 4 DET 4 DET 5 SORTS 4 DET 6 DET 6 DET 6 DET 7 DET 6 DET 7 DET 6 DET 7 DET 6 DET 7 DET 8 DET 7 DET 8 DET 1 DET 9 DET 1 DET 2 DET 1 DET 1 DET 2 DET 1 DET 1 DET 3 DET 2 DES 4 DET 4 DET 4 DET 5 SORTS 4 DET 4 DET 5 SORTS 4 DET 4 DET 6 DET 6 DET 6 DET 6 DET 7 DET 6 DET 7 DET 6 DET 6 DET 7 DET 6 DET 6 DET 6 DET 6 DET 7 DET 6 DET 6 DET 6 DET 7 DET 6 DET 7 DET 7 DET 6 DET 6 DET 7 DET 7 DET 7 DET 8 DET 8 DET 9 DET 9 DET 1 DE	
TOTAL MAXIMUM/SORT MINIMUM/SORT	
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MINIMUMSORT 3 kBq	-
SPECIFIC ACTIVITY	•
20—SEC PROCESS PERIODS ALL & BELEMENTS SORT (MD>0&MND=0) 0 NONE (AD=0 & MD=0 & MND=0 & MND=0) 207 SOME (AD>0 & MD=0 & MND=0 & MND=0 & MD=0 & MND=0 & MD=0 &	ı/kg
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NONE (AD=0 & MD=0 & MND>0)	PAUSE
SOME (AD>0&0 < MD< MND max & MND (MND max) 138	TIME
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11 49 20.9% 14000 24 230 6.4% 60 4 12 45 19.2% 16000 24 262 6.4% .64 1 13 38 16.2% 18000 13 295 3.4% 68 2 14 17 7.3% 20000 8 328 2.1% 72 2 15 7 3.0% 22000 2 361 0.5% 76 1 FOTAL 234 24000 1 393 0.3% 80 6 26000 0 426 0.0% 84 1 >28000 0 0 0.0% >84 10	0.0%
12 45 19.2% 16000 24 262 6.4% . 64 1 13 38 16.2% 18000 13 295 3.4% 68 2 14 17 7.3% 20000 8 328 2.1% 72 2 15 7 3.0% 22000 2 361 0.5% 76 1 TOTAL 234 24000 1 393 0.3% 80 6 26000 0 426 0.0% 84 1 >28000 0 0 0.0% >84 10	0.6%
13 38 16.2% 18000 13 295 3.4% 68 2 14 17 7.3% 20000 8 328 2.1% 72 2 15 7 3.0% 22000 2 361 0.5% 76 1 FOTAL 234 24000 1 393 0.3% 80 6 26000 0 426 0.0% 84 1 >28000 0 0 0.0% >84 10	0.9%
14 17 7.3% 20000 8 328 2.1% 72 2 15 7 3.0% 22000 2 361 0.5% 76 1 FOTAL 234 24000 1 393 0.3% 80 6 26000 0 426 0.0% 84 1 >28000 0 0 0.0% >84 10	0.2%
15 7	0.4%
TOTAL 234 24000 1 393 0.3% 80 6 26000 0 426 0.0% 84 1 >28000 0 0 0.0% >84 10	0.4% 0.2%
26000 0 426 0.0% 84 1 >28000 0 0 0.0% >84 10	1.3%
>280000	0.2%
	2.1%
	a.170
EVENTTYPES HPE 460 MPE 65 DISE 0	



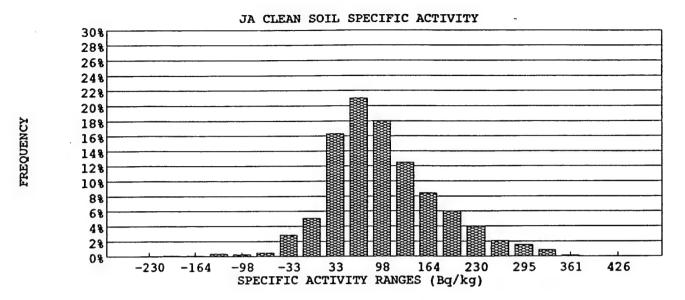


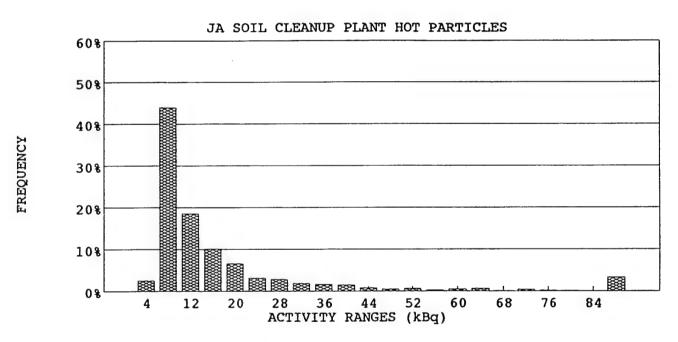


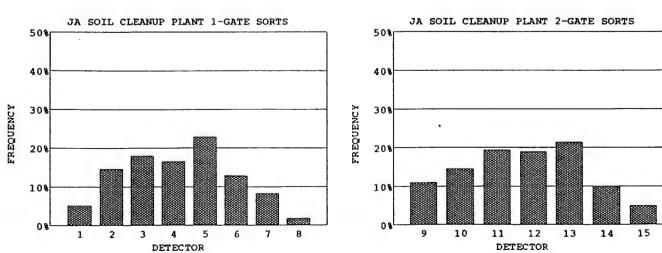


WORK DAY START	06:00 AM		WORK DAY	Y END		16:30 PM	
LUNCH START	11:00 AM		TIME LOST	DURING	UNCH	0.5 HR	
	:	SORTER 1	SORTER	2 SOR	TER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.0 hr	10.0	hr 10	0 hr	10.0 hr	(softer floars) 40.0 hr
SORTER AVAILABLE HOURS	•	9.0 hr	9.0) hr	0.0 hr	17.9 hr
SORTER START-UP		06:53	06:53	O.		NA NA	17.5 111
START SOIL PROCESSING		07:03	07:04	N/	-	NA	
TIME REQUIRED TO START-	-UP	0.2 hr	0.2		hr	0.0 hr	0.4 hr
SORTER SHUT-DOWN		16:20	16:20	N/		NA	0., 11
END SOIL PROCESSING		16:07	16:08	N/	_	NA	
TIME REQUIRED TO SHUT D	OWN	0.2 hr	0.2	hr 0.0) hr	0.0 hr	0.4 hr
ACTUAL PROCESS HOURS		7.9 hr	7.9) hr	0.0 hr	15.8 hr
DOWN-TIME		1.0 hr	1.0	hr 0.0) hr	0.0 hr	2.1 hr
SYSTEM PAUSE		1.1 hr	1.1	hr 0.0) hr	0.0 hr	2.3 hr
SORTER NONAVAILABLE TIM	ME	1.0 hr	1.0	hr 10.0) hr	10.0 hr	22.1 hr
AUTHORIZED DELAY TIME		0.0 hr	0.0	hr 10.0) hr	10.0 hr	20.0 hr
PLANT PERFORMANCE							88.5%
PRODUCTIVTY							39.6%
PRODUCTIVITY							
Date	08-	-Aug-94		Excused Dela	ays for da	y (sorter – hrs)	20 hr
Contract day (from 6 Sep)		277	1	Excused dela	ys for co	ntract (sorter-hrs)	4,956 hr
Current Contract week		47	1	Excused dela	y days (p	lant – days)	124 days
			1	Excused dela	y months	(plant-month)	4.77 months
Soil production for Day		160 M	Γ				
Cumlative Soil Production for Wee	ek	160 M7	Γ 1	Percent of co	ntract co	mpleted	55.6%
Total Soil production for contract			•	Tons Ahead	or Behin	d Schedule	1,734 MT
Since 6 Sep 93		54,016 M7	Г 1	Days ahead o	r behind	schedule	5.5 days
Since 6 Aug 93		55,607 MT	Γ				
Total Soil production for project		81,894 M7	Γ				

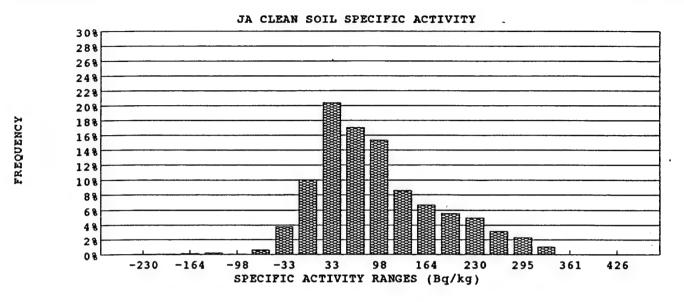
N V	SC MASS TOTA MAXIMUM	ORTER SOIL	DENSITY	1.15 to			BACKGROUND)	0.69 :	± 0.02 c
A A V		AT.						-		_
и И У		A I				MINATED			TOTA	
Λ 7	MAXIMUM					tons	78.4 tor		80.3 t	ons
7					53.6 0.7	•	61.0 kg 46.9 kg			
V	MINIMUM/				1.5	-	62.1 yd		63.7 y	rd3
		N-GROUND ECOVERY (C		T+CLEAN)		97.6%	•		03.7 9	•
ACII		CCOVERT	3122 11 ((110	. ,				RSED + PART	ICLE	
	711 1				PAR	пал	нот		CLEAN	
7	TOTAL				23,533		5,525 kB	la	7,199 1	Ba
	MAXIMUM	/SORT			· ·	kBq	250 kB	•	20 1	•
	MINIMUM/					kBq	0 Bq	•	-11 k	•
S	SPECIFIC A	CTIVITY					2,869 Bq	/kg	92 I	Bq/kg
SORTS	S									
2	20-SEC PR	OCESS PERI	ODS				1,427		UNEXP	PAUSE
	A	L 80 ELEME	NTS SORT (MD>0&Mi	ND=0)	18			TIME	TIME
	N	ONE (AD=0	& MD=0 & N	(ND>0)		919			08:08	11:17
					D <mndmax< td=""><td>) 508</td><td></td><td></td><td>14:55</td><td></td></mndmax<>) 508			14:55	
	U	NEXPLAINE	D RECORDS	3	(18))			15:03	
		0.	<ad<1kbq &<="" td=""><td>& MD>0</td><td>3</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq>	& MD>0	3					
			D=0 & MD>	_	0					
			D<0 & MD :	>0	0					
2		INT PERIOD					14,270			
	_	SEC RECOR				1,241 13,029				
7		SEC RECOR			-s PERIODS		2,668			
		ESSING REC				"	7			
		TDETECTO	•		,		·			
Ĩ		DET	885	71.31%		5 DET	1	0.08%		
	21	DET	290	23.37%		6 DET	0	0.00%		
	3 1	DET	53	4.27%		7 DET	0	0.00%		
	4]	DET	12	0.97%		8 DET	0	0.00%		
		TIME BETW			32.2	sec				
FREQ	UENCY	' DISTRI	BUTION	1S						
1-GATE	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%		NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	. (#)	(Bq/kg)		(kBq)	(#)		
1	32	5.1%	-14000	0	-230	0.0%	4	32		2.6%
2	91	14.6%	-12000	1	-197	0.1%	8	545		43.9%
3	112	18.0%	-10000	1	-164	0.1%		230		18.5%
4	103	16.6%	-8000	5	-131	0.4%		125		10.1%
5	142	22.8%	-6000	4	-98 -66	0.3%	20 24	82 39		6.6% 3.1%
6 7	80 51	12.9% 8.2%	-4000 -2000	7 40	-66 -33	0.5% 2.8%		36		2.9%
/ Ω	11	1.8%	-2000	72	-33	5.1%		23		1.9%
TOTAL -	622	1.070	2000	231	33	16.3%		20		1.6%
			4000	298	66	21.0%		18		1.5%
2-GATE	ESORTS		6000	255	98	18.0%		10		0.8%
	SORTS	FREQ%	8000	177	131	12.5%		6		0.5%
9	68	11.0%	10000	119	164	8.4%		8		0.6%
10	90	14.5%	12000	85	197	6.0%	56	3		0.2%
11	120	19.4%	14000	56	230	4.0%	60	6		0.5%
12	117	18.9%	16000	29	262	2.0%		. 8		0.6%
13	132	21.3%	18000	22	295	1.6%		1		0.1%
14	62	10.0%	20000	12	328	0.8%	72	5		0.4%
15 _	30	4.8%	22000	2	361	0.1%	76	2		0.2%
TOTAL	619		24000	0	393	0.0%	80	1		0.1%
			26000	0	426	0.0%	84	0		0.0%
			>28000	0	0	0.0%	>84	41		3.3%
			TOTAL	1,416			TOTAL	1,241		

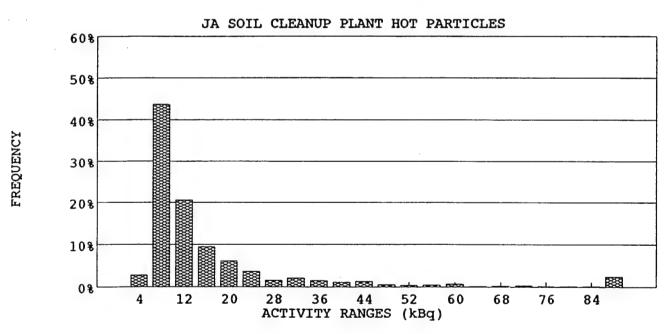


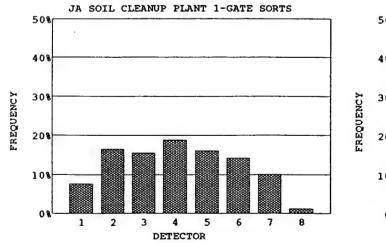


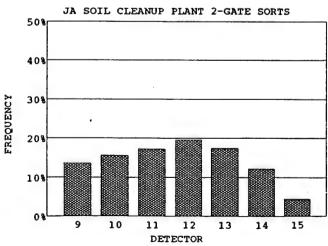


SORTI	ER 2						08-	Aug-94		
	S	ORTER SOIL	DENSITY	1.15 to	ns/m³	В	ACKGROUND		0.77 :	± 0.02 c
SOIL					CONTAN	MINATED	CLEAN ~		TOTA	T
N	AASS TOT	AL				tons	77.7 tons		80.1 t	ons
	MAXIMUM				53.6	-	61.0 kg			
	MUMININ				0.7	_	47.5 kg		625.	
		N-GROUNI		TI CT EANN		yd ³ 96.9%	61.6 yd ³		63.5 y	ď
ACTIV		ECOVERY (CLEAN/(HU	I+CLEAN)		90.970	DISPERSE	D + DADT	ICLE	***
ACIIV	11 1				DADT	ПСLЕ	HOT		CLEAN	
т	OTAL				25,162		6,190 kBq		6,720	r'Ba
	AXIMUM	(SORT			*	kBq	341 kBq		20)	
_	INIMUM				3	kBq	0 Bq		-7)	
	PECIFIC A						2,524 Bq/kg		87 I	3q/kg
SORTS	3									
2		OCESS PERI					1,424			PAUSE
		LL 80 ELEME	,		$\sqrt{D}=0$	26			TIME	TIME
		ONE (AD=0			D 41070	875			07:34	11:17
		•			D <mndmax< td=""><td></td><td></td><td></td><td>09:56 10:53</td><td></td></mndmax<>				09:56 10:53	
	U	NEXPLAINE			(26)	'			10:55	
			<ad<1kbq &<br="">.D=0 & MD></ad<1kbq>		0				13:13	
			D<0 & MD:		0				20.20	
2	-SEC CO	UNTPERIOR			·		14,240			
_	2-	-SEC RECOR	RDS WITH SO	ORTS		1,390				
	2-	-SEC RECOR	OHTIW 2CLS	UTSORTS		12,850				
					0-s PERIODS	S)	2,814			
		ESSING REC		calibration,	etc)		10			
2		RTDETECTO					~			
		DET	1,028	73.96%		5 DET	6	0.43%		
		DET	294	21.15%		6 DET 7 DET	0	0.00% 0.00%		
		DET DET	55 7	3.96% 0.50%		8 DET	0	0.00%		
А		TIME BETW			27.7	-	U	0.0070		
		Y DISTRI								
1-GATE			ACT_ND	NUM	SPEC_A	FREO%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	53	7.6%	-14000	` ó	-230	0.0%	4	39		2.8%
2	115	16.5%	-12000	1	-197	0.1%	8	607		43.7%
3	108	15.5%	-10000	2	-164	0.1%	12	285		20.5%
4	131	18.8%	-8000	3	-131	0.2%	16	132		9.5%
5	112	16.1%	-6000	1	-98	0.1%	20	85		6.1%
6	99	14.2%	-4000	9	-66	0.6%	24	51		3.7%
7	70	10.1%	-2000	53	-33	3.8%	28	22		1.6%
TOTAL -	696	1.1%	2000	141 287	0 33	10.0% 20.4%	32 36	29 21		2.1% 1.5%
JIAL	070		4000	240	66	17.0%	40	15		1.1%
2-GATE	SORTS		6000	216	98	15.3%	44	18		1.3%
	SORTS	FREQ%	8000	121	131	8.6%	48	8		0.6%
9	94	13.5%	10000	94	164	6.7%	52	6		0.4%
10	108	15.6%	12000	78	197	5.5%	56	7		0.5%
11	120	17.3%	14000	70	230	5.0%	60	10		0.7%
12	136	19.6%	16000	44	262	3.1%	, 64	3		0.2%
13	121	17.4%	18000	33	295	2.3%	68	4		0.3%
14	84	12.1%	20000	15	328	1.1%	72 76	5		0.4%
15 _	31	4.5%	22000	0	361	0.0%	76	3		0.2%
TOTAL	694		24000	0	393	0.0%	80	3		0.2%
			26000	0	426	0.0%	84	34		0.2%
			>28000 _ TOTAL	1,408	0	0.0%	>84 TOTAL	1,390		2.4%
					±			1,390		
VENTT	YPES	HPE	1,404	MPE	248	DISE	1,941			





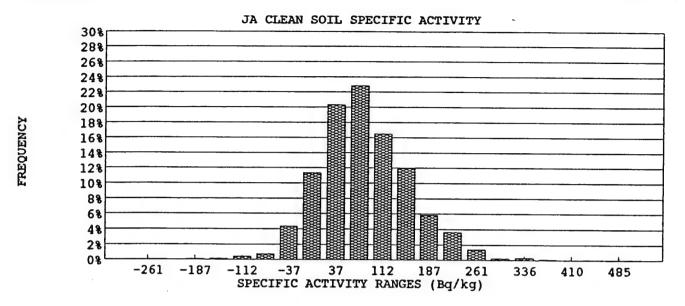


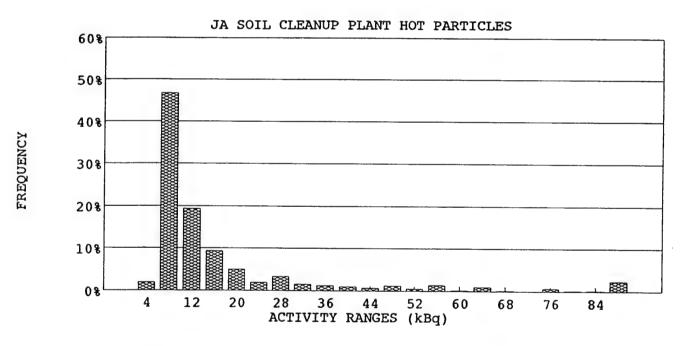


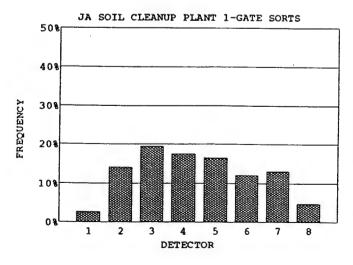
09-Aug-94

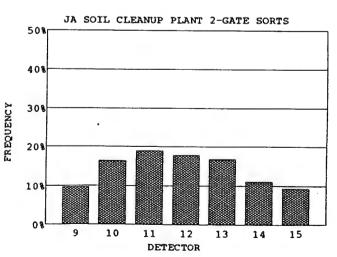
WORK DAY START	06:00 AM		WORK DA	Y END		16:30 PM		
LUNCH START	11:00 AM		TIMELOS	T DURING	LUNCH	0.5 HR		
	SOI	RTER 1	SORTE	R 2 SO	RTER 3	SORTER 4	TOTAL	me)
WORK HOURS		10.0 hr	10.0	hr 1	0.0 hr	10.0 hr	40.0 h	,
SORTER AVAILABLE HOURS	8	9.5 hr	9.5	hr	0.0 hr	0.0 hr	19.0 h	ır
SORTER START-UP		06:24	06:24	1	NA	NA		
START SOIL PROCESSING		06:36	06:36	1	NA	NA		
TIME REQUIRED TO START-	-UP	0.2 hr	0.2	hr	0.0 hr	0.0 hr	0.4 h	ır
SORTER SHUT-DOWN		16:25	16:25	1	NA	NA		
END SOIL PROCESSING		16:10	16:11	1	NA	NA		
TIME REQUIRED TO SHUT D	OWN	0.2 hr	0.2	hr	0.0 hr	0.0 hr	0.5 h	ır
ACTUAL PROCESS HOURS		7.5 hr	7.5	hr	0.0 hr	0.0 hr	15.0 h	ır
DOWN-TIME		2.0 hr	2.0	hr	0.0 hr	0.0 hr	4.1 h	r
SYSTEM PAUSE		2.0 hr	2.0	hr	0.0 hr	0.0 hr	4.1 h	ır
SORTER NONAVAILABLE TI	ME	0.5 hr	0.5	hr 1	0.0 hr	10.0 hr	21.0 h	r
AUTHORIZED DELAY TIME		0.2 hr	0.2	hr 1	0.0 hr	10.0 hr	20.4 h	r
PLANT PERFORMANCE							78.6%	
PRODUCTIVTY							37.4%	
PRODUCTIVITY								
Date	09-A	ug-94		Excused D	elays for o	day (sorter—hrs)	20.4 h	ır
Contract day (from 6 Sep)		278		Excused de	elays for c	ontract (sorter-hrs)	4,976 h	I
Current Contract week		47		Excused de	lay days (plant-days)	124 d	lays
				Excused de	lay montl	hs (plant-month)	4.78 n	nonths
Soil production for Day		144 M	Γ					
Cumlative Soil Production for We	ek	305 M	Γ	Percent of	contract o	completed	55.8%	
Total Soil production for contract				Tons Ahea	d or Behi	nd Schedule	1,723 N	TN
Since 6 Sep 93		54,161 M	Γ	Days ahead	d or behin	d schedule	5.4 d	lays
Since 6 Aug 93		55,752 M	Γ					
Total Soil production for project		82,038 M	Γ					

SORT	ER 1						09-	-Aug-94	
		ORTER SOIL	DENSITY	1.15 to	ns/m³	E	BACKGROUND	•	68 ± 0.02 c
SOIL					CONTAM	INATED	CLEAN	TO	OTAL
]	MASS TOT	AL				tons	71.7 tons	72	2.2 tons
	MAXIMUN				53.6	_	53.6 kg		
	MINIMUM	-			0.7	-	46.9 kg		
		N-GROUND		TI CE EARD	0.4	ya ³ 99.3%	56.8 yd³	37	7.2 yd³
ACTIV		ECOVERY (CLEAN(IIO	I TCLEAN)	<i>.</i>	77.370	Diebebel	ED + PARTICLE	
ACIT	ATTT				PART	TOF	HOT	CLE	
	TOTAL				11,763		2,584 kBq		82 kBq
	MAXIMUN	M/SORT			1,082	•	229 kBq		19 kBq
-	MINIMUM	-				kBq	0 Bq		-7 kBq
	SPECIFIC	ACTIVITY				·	4,902 Bq/kg		67 Bq/kg
SORT	'S								
2		OCESS PERI					1,347		XP PAUSE
		LL 80 ELEME			ND=0)	1		ТІМ	
		ONE (AD=0			n	1,020		08:	
		OME (AD>08 NEXPLAINE			D <mndmax)< td=""><td>326</td><td></td><td>10: 10:</td><td></td></mndmax)<>	326		10: 10:	
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			D=0 & MD>		0			11:	
			D<0 & MD		0			11:	
2	2-SEC CO	UNTPERIOD	S				13,470	14:	
		-SEC RECOR				578		14:	57
_		-SEC RECOR				12,892			
		OCESS RECO	•			5)	1,925		
		ESSING REC RT DETECTO	,	canoration,	cw)		20		
4		DET	422	73.01%		5 DET	2	0.35%	
		DET	123	21.28%		6 DET	0	0.00%	
	3	DET	24	4.15%		7 DET	0	0.00%	
		DET	7	1.21%		8 DET	0	0.00%	
		TIMEBETW			63.8	sec			
_		Y DISTRI							
	ESORTS	rnro~	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM	FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#)	1.00
1	8	2.7%	-14000 -12000	0	-261	0.0%	4	11	1.9%
2	42 58	14.1% 19.5%	-12000 -10000	1	-224 -187	0.0% 0.1%	8 12	270 112	46.7% 19.4%
4	52	17.4%	-8000	2	-149	0.1%	16	54	9.3%
5	49	16.4%	-6000	6	-112	0.4%	20	29	5.0%
6	36	12.1%	-4000	10	-75	0.7%	24	11	1.9%
7	39	13.1%	-2000	59	-37	4.3%	28	19	3.3%
8 _	14	4.7%	0	155	0	11.3%	32	9	1.6%
TOTO	298		2000	277	37	20.3%	36	7	1.2%
TOTAL			4000	312	75	22.8% 16.5%	40	6	1.0% 0.7%
	ESORTS			225	11.7		44		
	E SORTS SORTS	FREO%	6000	225 163	112 149		44 48	4 7	
2-GATI	E SORTS SORTS 27	FREQ% 9.6%		225 163 80	112 149 187	11.9% 5.9%	44 48 52	7 3	1.2%
2-GATI DET	SORTS		6000 8000	163	149	11.9%	48	7	
2-GATI DET 9 10 11	SORTS 27 46 53	9.6% 16.4% 18.9%	6000 8000 10000 12000 14000	163 80	149 187 224 261	11.9% 5.9% 3.6% 1.4%	48 52	7 3	1.2% 0.5%
2-GATI DET 9 10 11 12	SORTS 27 46 53 50	9.6% 16.4% 18.9% 17.9%	6000 8000 10000 12000 14000 16000	163 80 49 19 3	149 187 224 261 299	11.9% 5.9% 3.6% 1.4% 0.2%	48 52 56 60 · 64	7 3 8	1.2% 0.5% 1.4% 0.2% 1.0%
2-GATI DET 9 10 11 12 13	SORTS 27 46 53 50 47	9.6% 16.4% 18.9% 17.9% 16.8%	6000 8000 10000 12000 14000 16000 18000	163 80 49 19 3	149 187 224 261 299 336	11.9% 5.9% 3.6% 1.4% 0.2% 0.3%	48 52 56 60 · 64 68	7 3 8 1 6	1.2% 0.5% 1.4% 0.2% 1.0% 0.2%
2-GATI DET 9 10 11 12 13 14	SORTS 27 46 53 50 47 31	9.6% 16.4% 18.9% 17.9% 16.8%	6000 8000 10000 12000 14000 16000 18000 20000	163 80 49 19 3 4	149 187 224 261 299 336 373	11.9% 5.9% 3.6% 1.4% 0.2% 0.3% 0.1%	48 52 56 60 · 64 68 72	7 3 8 1 6 1	1.2% 0.5% 1.4% 0.2% 1.0% 0.2% 0.0%
2-GATI DET 9 10 11 12 13 14	SORTS 27 46 53 50 47 31 26	9.6% 16.4% 18.9% 17.9% 16.8%	6000 8000 10000 12000 14000 16000 18000 20000	163 80 49 19 3 4 1	149 187 224 261 299 336 373 410	11.9% 5.9% 3.6% 1.4% 0.2% 0.3% 0.1% 0.0%	48 52 56 60 · 64 68 72 76	7 3 8 1 6 1 0	1.2% 0.5% 1.4% 0.2% 1.0% 0.2% 0.0%
2-GATI DET 9 10 11 12 13 14	SORTS 27 46 53 50 47 31	9.6% 16.4% 18.9% 17.9% 16.8%	6000 8000 10000 12000 14000 16000 18000 20000 22000 24000	163 80 49 19 3 4 1 0	149 187 224 261 299 336 373 410 448	11.9% 5.9% 3.6% 1.4% 0.2% 0.3% 0.1% 0.0%	48 52 56 60 · 64 68 72 76	7 3 8 1 6 1 0 4	1.2% 0.5% 1.4% 0.2% 1.0% 0.2% 0.0% 0.7% 0.2%
DET 9 10 11 12 13	SORTS 27 46 53 50 47 31 26	9.6% 16.4% 18.9% 17.9% 16.8%	6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 26000	163 80 49 19 3 4 1 0 0	149 187 224 261 299 336 373 410 448	11.9% 5.9% 3.6% 1.4% 0.2% 0.3% 0.1% 0.0% 0.0%	48 52 56 60 · 64 68 72 76 80	7 3 8 1 6 1 0 4 1	1.2% 0.5% 1.4% 0.2% 1.0% 0.2% 0.0% 0.7% 0.2%
2-GATI DET 9 10 11 12 13 14	SORTS 27 46 53 50 47 31 26	9.6% 16.4% 18.9% 17.9% 16.8%	6000 8000 10000 12000 14000 16000 18000 20000 22000 24000	163 80 49 19 3 4 1 0	149 187 224 261 299 336 373 410 448	11.9% 5.9% 3.6% 1.4% 0.2% 0.3% 0.1% 0.0%	48 52 56 60 · 64 68 72 76	7 3 8 1 6 1 0 4	1.2% 0.5% 1.4% 0.2% 1.0% 0.2% 0.0% 0.7% 0.2%

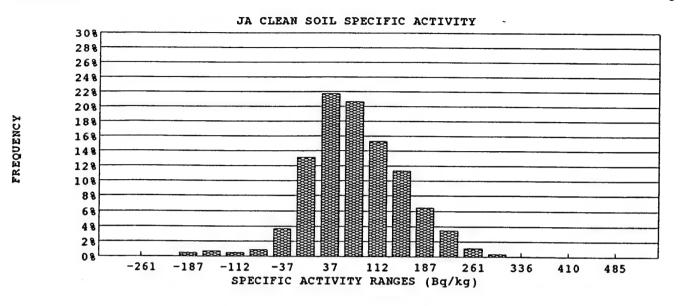


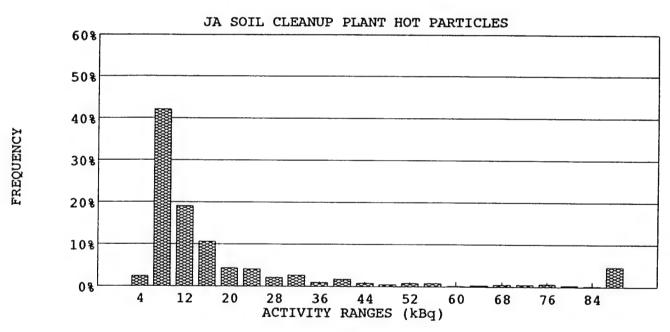


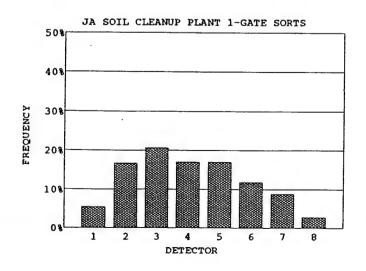


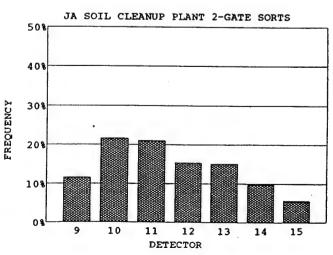


SORTE	ER 2						09-	Aug-94	
	sc	RTER SOIL I	DENSITY	1.15 to	ns/m³	В	ACKGROUND		0.75 ± 0.02 c
SOIL					CONTAM	INATED	CLEAN	,	TOTAL
М	IASS TOTA	AL.			0.5	tons	71.7 tons		72.2 tons
М	IAXIMUM,	SORT			5.4	kg	53.6 kg		
M	INIMUM/	SORT			0.7	kg	48.2 kg		
		N-GROUND			0.4	yd³	56.8 yd³		57.2 yd³
		ECOVERY (C	LEAN/(HO	(+CLEAN))	99.3%			
ACTIV	TTY						DISPERSE	D + PARTICI	Æ
					PART	TICLE	HOT	CL	EAN
T	OTAL				19,927	kBq	4,188 kBq	4	,433 kBg
M	IAXIMUM	SORT			3,413	kBq	1,216 kBq		18 kBq
M	INIMUM/	SORT			3	kBq	0 Bq		-10 kBq
	PECIFIC A	CTIVITY					7,875 Bq/kg		62 Bq/kg
SORTS	3								
20	SEC PR	OCESS PERIO	DDS				1,347	UN	NEXP PAUSE
	AI	L 80 ELEME	NTS SORT (MD>0&MI	ND=0)	0		TI	ме тіме
		ONE (AD=0 &				1,008			7:11 11:19
					D <mndmax)< td=""><td>339</td><td></td><td>_</td><td>7:29 15:24</td></mndmax)<>	339		_	7:29 15:24
	Ul	NEXPLAINE			0				8:10
			AD<1kBq &		7				1:13
			D=0 & MD>		0				3:31
			D<0 & MD :	>0	0				3:37
2-		INT PERIOD:				4.4	13,470	1	3:47
	_	SEC RECOR				649			
_		SEC RECOR			nenion.	12,821			
					0-s PERIODS	5)	1,996		
		ESSING RECO	•	calibration,	eic)		20		
2-		TDETECTO		71 400		CDET	2	0.210%	
		DET	464	71.49%		5 DET	2 0	0.31% 0.00%	
		DET	147 27	22.65% 4.16%		6 DET 7 DET	0	0.00%	
		DET DET	9	1.39%		8 DET	0	0.00%	
Δ.		TIME BETWI	-		58.1		U	0.00%	
		DISTRI			50.1	-			
1-GATE		DIOTICL		NUM	SDEC A	ED E O	ACT D	NUM	FREQ%
DET		FREQ%	ACT_ND		SPEC_A	FREQ%	ACT_P		FREQ%
	30K 13 18	5.5%	(Bq) -14000	(#) 0	(Bq/kg) -261	0.0%	(kBq) 4	(#) 16	2.5%
1 2	55	3.3% 16. 7 %	-12000	1	-201 -224		8	273	42.1%
3	55 68	20.6%	-10000	7	-224 -187	0.1%	12	124	42.1% 19.1%
4	56	17.0%	-8000	10	-167 -149	0.7%	16	69	10.6%
5	56	17.0%	-6000	7	-112	0.7%	20	28	4.3%
Б	39	11.8%	-4000	12	-75	0.9%	24	27	4.2%
7	29	8.8%	-2000	50	-37	3.7%	28	14	2.2%
Ŕ	9	2.7%	0	179	0	13.1%	32	17	2.6%
TOTAL -	330	2,0	2000	297	37	21.7%	36	6	0.9%
			4000	282	75	20.6%	40	11	1.7%
2-GATE	SORTS		6000	209	112	15.3%	44	5	0.8%
DET		FREQ%	8000	155	149	11.3%	48	3	0.5%
9	37	11.6%	10000	88	187	6.4%	52	5	0.8%
10	69	21.6%	12000	47	224	3.4%	56	5	0.8%
11	67	21.0%	14000	16	261	1.2%	60	1	0.2%
12	49	15.4%	16000	5	299	0.4%	. 64	2	0.3%
13	48	15.0%	18000	1	336	0.1%	68	3	0.5%
14	31	9.7%	20000	1	373	0.1%	72	3	0.5%
15	18	5.6%	22000	0	410	0.0%	76	4	0.6%
TOTAL -	319		24000	0	448	0.0%	80	2	0.3%
			26000	0	485	0.0%	84	1	0.2%
			>28000	0	0	0.0%	>84	30	4.6%
			TOTAL	1,367			TOTAL	649	





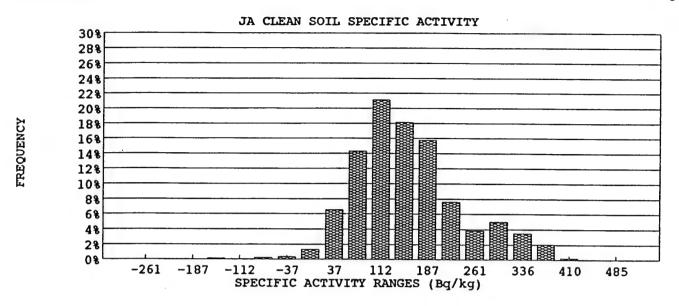


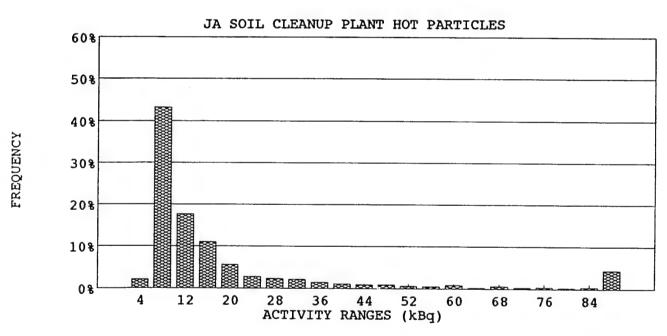


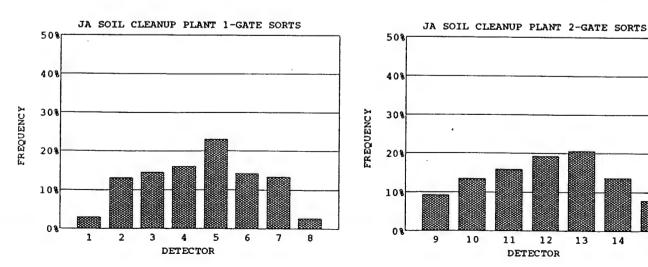
WORK DAY START	06:00 AM	I	WORK DAY	END	16:30 PM	
LUNCH START	11:00 AM	I	TIME LOST I	URING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOU	RS	9.5 hr	9.5 hr	0.0 hr	0.0 hr	18.9 hr
SORTER START-UP		06:28	06:28	NA	NA	
START SOIL PROCESSING		06:33	06:33	NA	NA	
TIME REQUIRED TO STAR	T-UP	0.1 hr	0.1 hr	0.0 hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN		16:25	16:25	NA	NA	
END SOIL PROCESSING		16:10	16:08	NA	NA	
TIME REQUIRED TO SHUT	DOWN	0.2 hr	0.3 hr	0.0 hr	0.0 hr	0.5 hr
ACTUAL PROCESS HOURS		8.5 hr	8.4 hr	0.0 hr	0.0 hr	16.9 hr
DOWN-TIME		1.0 hr	1.0 hr	0.0 hr	0.0 hr	2.0 hr
SYSTEM PAUSE		1.1 hr	1.1 hr	0.0 hr	0.0 hr	2.3 hr
SORTER NONAVAILABLE	пме	0.5 hr	0.5 hr	10.0 hr	10.0 hr	21.1 hr
AUTHORIZED DELAY TIM	E	0.0 hr	0.0 hr	10.0 hr	10.0 hr	20.0 hr
PLANT PERFORMANCE						89.3%
PRODUCTIVIY						42.2%
PRODUCTIVITY						
Date	1	10-Aug-94	E	cused Delays for d	ay (sorter-hrs)	20 hr
Contract day (from 6 Sep)		279	E	cused delays for co	ontract (sorter-hrs)	4,996 hr
Current Contract week		47	E	cused delay days (plant – days)	125 days
			Б	cused delay month	s (plant-month)	4.80 months
Soil production for Day		163 M	Γ			
Cumlative Soil Production for V	Veek	468 M	Г Ре	reent of contract co	ompleted	55.9%
Total Soil production for contra	nct		To	ons Ahead or Behir	nd Schedule	1,727 MT
Since 6 Sep 9	93	54,323 M	r D:	ays ahead or behind	d schedule	5.5 days
Since 6 Aug	93	55,914 M	Г			
Total Soil production for project	:t	82,201 M	Γ			

SORT	ER 1						10	-Aug-94		
	S	ORTER SOIL	DENSITY	1.15 to	ns/m³	E	BACKGROUND	_	0.69 ±	± 0.02 c/s
SOIL					CONTAI	MINATED	CLEAN ~		TOTA	L
	MASS TO	TAL			3.9	tons	77.8 tons		81.7 t	ons
-,	MAXIMUI	M/SORT			53.6	kg	53.6 kg			
	MINIMUM	I/SORT			0.7	•	44.2 kg			
ı		IN-GROUNI				yd³	61.7 yd ³		64.8 y	d³
		RECOVERY (CLEAN/(HO	T+CLEAN))	95.2%				
ACTI	VIIY							ED + PARTI		
					-	TICLE	HOT		CLEAN	
	TOTAL				51,793	•	12,077 kBq		10,820 k	•
	MAXIMUI				2,186	-	833 kBq		20 k	•
	MINIMUM				3	kBq	0 Bq		-6 k	•
	SPECIFIC.	ACIIVIII					3,074 Bq/kj	<u> </u>	139 E	эц/ку
SORT										
		ROCESS PERI					1,525			PAUSE
		LL 80 ELEME			ND=0)	47			ПМЕ	TIME
		IONE (AD=0			D .1435	768			10:49	11:20
		OME (AD>0) 710			10:50	
	ι	INEXPLAINE			0				11:14	
			<ad<1kbq< td=""><td></td><td>7</td><td></td><td></td><td></td><td>13:11 14:42</td><td></td></ad<1kbq<>		7				13:11 14:42	
			D<0 & MD:		0				15:26	
	2-SEC CO	UNT PERIOD			· ·		15,250		15:59	
		-SEC RECOR		ORTS		1,928				
	2	-SEC RECOR	RDS WITHO	UT SORTS		13,322				
	TOTAL PR	OCESS RECO	ORDS (2-s S	ORTS and 20)-s PERIODS	S)	3,453			
	NONPROC	ESSING REC	ORDS (Test,	calibration,	etc)		6			
;	2-SEC SO	RT DETECTO	ORS							
	_	DET	1,366	70.85%		5 DET	4	0.21%		
		DET	443	22.98%		6 DET	0	0.00%		
		DET	93	4.82%		7 DET	0	0.00%		
		DET TIME BETW	22 EEN 2 SEC	1.14%	22.3	8 DET	0	0.00%		
					22.3	sec				
		Y DISTRI								
	ESORTS	55 55 6 64	ACT_ND	NUM	_	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#)		2.10
1	29	3.0%	-14000	0	-261	0.0%	4	40		2.1%
2	127	13.1%	-12000	0	-224	0.0%	8	834		43.3%
3	141 155	14.6% 16.0%	-10000 -8000	0 2	-187 -149	0.0% 0.1%	12 16	340 213		17.6% 11.0%
5	223	23.1%	-6000 -6000	1	-149 -112	0.1%	20	108		5.6%
6	137	14.2%	-4000 -4000	3	-75	0.1%	24	54		2.8%
7	129	13.3%	-2000	5	-37	0.3%	28	45		2.3%
8	26	2.7%	0	19	0	1.3%	32	41		2.1%
TOTAL	967		2000	97	37	6.5%	36	29		1.5%
			4000	212	75	14.3%	40	21		1.1%
	ESORTS		6000	313	112	21.1%	44	18		0.9%
DET	SORTS	FREQ%	8000	269	149	18.1%	48	18		0.9%
9	89	9.3%	10000	234	187	15.8%	52	12		0.6%
10	129	13.4%	12000	113	224	7.6%	56	11		0.6%
11	153	15.9%	14000	57	261	3.8%	60	16		0.8%
12	185	19.3%	16000	74	299	5.0%	• 64	5		0.3%
13	198	20.6%	18000	52	336	3.5%	68	12		0.6%
14	131	13.6%	20000	30	373	2.0%	72 76	6		0.3%
15	76	7.9%	22000	3	410	0.2%	76	7		0.4%
TOTAL	961		24000	0	448	0.0%	80	5		0.3%
			26000	0	485	0.0%	84	8		0.4%
			>28000	0	0	0.0%	>84	85		4.4%
TO STOR WITH THE	TUDE:	*****	TOTAL	1,484	40.7	D.00	TOTAL	1,928		
EVENT	YPES	HPE	1,923	MPE	437	DISE	3,514			

14

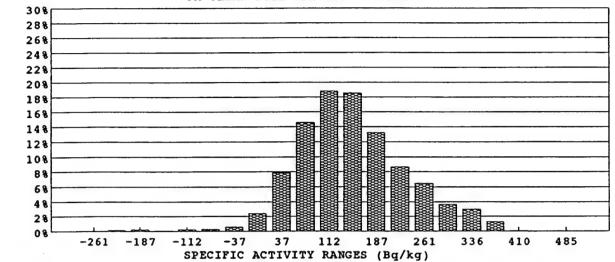




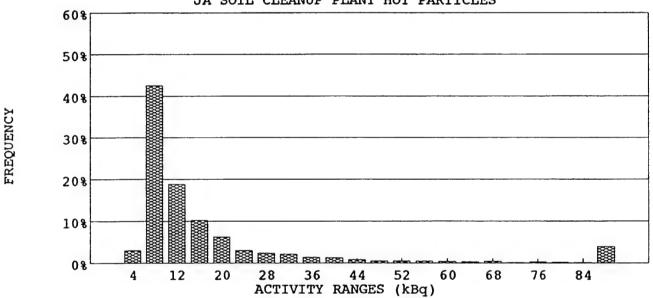


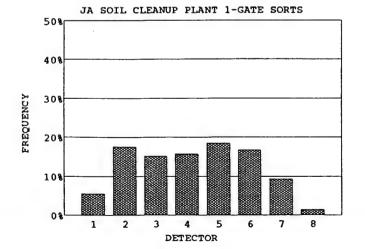
SORT								Aug-94	
	sc	ORTER SOIL	DENSITY	1.15 tor	ns/m³	В.	ACKGROUND		.76 ± 0.03 c
SOIL					CONTAM	INATED	CLEAN		OTAL
1	MASS TOTA	AL.			7.6		73.5 tons	8	1.1 tons
1	MAXIMUM	SORT			53.6	-	53.6 kg		
	MINIMUM/				0.7	_	45.5 kg		4.243
	VOLUME I	N-GROUND	N TO A NIVITOR	C C EAND	6.0	ya³ 90.7%	58.3 yd ³	ь	4.3 yd³
		ECOVERY (C	LEAN/(HO	(+CLEAN)		90.1%	D. LONDO CE.	D . D. D. D. T. C. I.	-
ACTIV	VITY				2.22			O + PARTICLI	
					PART		HOT	CLE	AN 333 kBq
	TOTAL	nonm			60,346 4,766	•	15,754 kBq 1,679 kBq	9,0	20 kBq
_	MAXIMUM MINIMUM/					kBq	0 Bq		-5 kBq
	SPECIFIC A				3	q	2,080 Bq/kg		34 Bq/kg
SORT		CHVIII							
		OCECC DEDI	one				1,513	UNI	EXP PAUSE
7		OCESS PERIO LL 80 ELEME		MD>0&MN	w=0/	116	19713	TIM	
		ONE (AD=0 &			-2 0)	701			:31 11:20
	50	OME(AD=08	0 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td></td><td></td><td>= :</td><td>:14</td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td></td><td></td><td>= :</td><td>:14</td></mndmax)<>			= :	:14
		NEXPLAINE			1			09	:25
	0.		<ad<1kbq< td=""><td></td><td>4</td><td></td><td></td><td>11</td><td>:11</td></ad<1kbq<>		4			11	:11
			D=0 & MD>		1			16	:01
	•	A	D<0 & MD	>0	0				
2		JNT PERIOD					15,130		
		-SEC RECOR				2,209			
		-SEC RECOR				12,921			
		OCESS RECO				5)	3,722		
		ESSING REC	•	calibration, e	etc)		11		
- 2		TDETECTO		71 250		5 DET	6	0.27%	
		DET	519	71.25% 23.49%		6 DET	0	0.27%	
		DET DET	90	4.07%		7 DET	0	0.00%	
		DET	20	0.91%		8 DET	0	0.00%	
		TIME BETW			19.2				
		DISTRI							
	ESORTS	Dioliki	ACT ND	NUM	SPEC A	FREO%	ACT_P	NUM	FREQ%
DET	SORTS	FREO%	(Bq)	(#)	(Bq/kg)	· · · · · · · · · · · · · · · · · · ·	(kBq)	(#)	
1	61	5.5%	-14000	0	-261	0.0%	4	68	3.1%
2	195	17.6%	-12000	2		0.1%	8	939	42.5%
3	168	15.1%	-10000	3	-187	0.2%	12	416	18.8%
4	175	15.8%	-8000	1	-149	0.1%	16	226	10.2%
5	205	18.5%	-6000	3	-112	0.2%	20	140	6.3%
6	186	16.8%	-4000	4	-75	0.3%	24	68	3.1%
7	103	9.3%	-2000	8	-37	0.6%	28	53	2.4%
8	16	1.4%	0	34	0	2.4%	32	48	2.2%
TOTAL	1,109		2000	111	37	7.9%	36	32	1.4%
			4000	205	75	14.6%	40	29	1.3%
	ESORTS	PD PC ~	6000	265	112	18.8%	44	20 13	0.9% 0.6%
DET	SORTS	FREQ%	8000	261	149 187	18.5%	48 52	13	0.6%
9	132	12.0%	.10000 12000	186 122	187 224	13.2% 8.7%	56	10	0.5%
10	199 202	18.1% 18.4%	14000	91	261	6.5%	60	9	0.4%
11 12	188	17.1%	16000	51	299	3.6%	64	8	0.4%
13	192	17.1%	18000	42	336	3.0%	. 68	11	0.5%
13	138	12.5%	20000	18	373	1.3%	72	3	0.1%
15	49	4.5%	22000	1	410	0.1%	76	8	0.4%
TOTAL	1,100		24000	0	448	0.0%	80	5	0.2%
	-,- /-		26000	0	485	0.0%	84	3	0.1%
			>28000	0	0	0.0%	>84	87	3.9%
			TOTAL	1,408			TOTAL	2,209	
			JOILE	1,400					

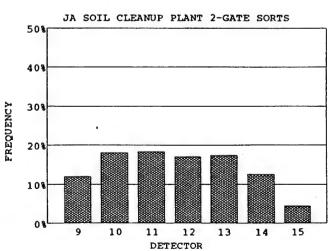




JA SOIL CLEANUP PLANT HOT PARTICLES

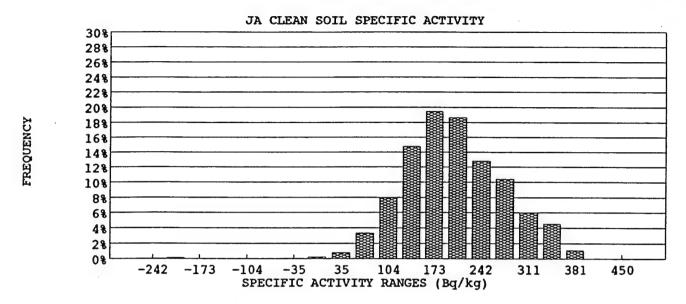


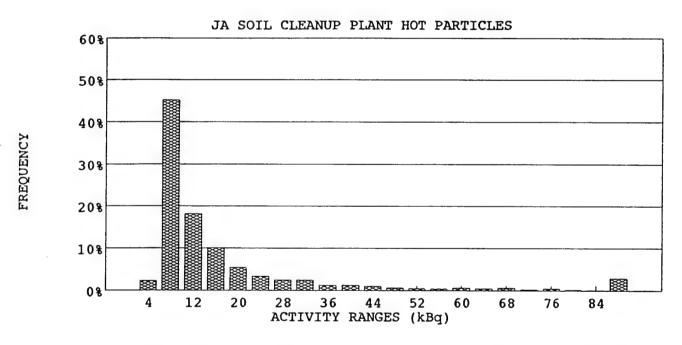


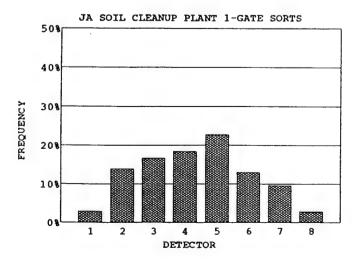


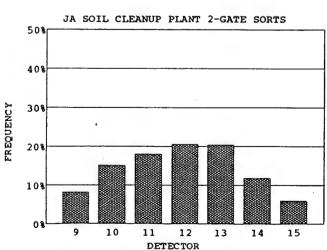
WORK DAY START LUNCH START	06:00 AM 11:00 AM		WORK DAY I	END OURING LUNCH	16:30 PM 0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOUR	RS	9.1 hr	9.1 hr	0.0 hr	0.0 hr	18.3 hr
SORTER START-UP		06:28	06:28	NA	NA	
START SOIL PROCESSING		06:35	06:36	NA	NA	
TIME REQUIRED TO STAR?	Γ−UP	0.1 hr	0.1 hr	0.0 hr	0.0 hr	0.3 hr
SORTER SHUT-DOWN		16:06	16:06	NA	NA	
END SOIL PROCESSING		16:06	16:05	NA	NA	
TIME REQUIRED TO SHUT	DOWN	-0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOURS		8.5 hr	8.4 hr	0.0 hr	0.0 hr	16.9 hr
DOWN-TIME		0.7 hr	0.7 hr	0.0 hr	0.0 hr	1.3 hr
SYSTEM PAUSE		1.0 hr	1.0 hr	0.0 hr	0.0 hr	2.1 hr
SORTER NONAVAILABLE T	IME	0.9 hr	0.9 hr	10.0 hr	10.0 hr	21.7 hr
AUTHORIZED DELAY TIME	3	0.4 hr	0.4 hr	10.0 hr	10.0 hr	20.8 hr
PLANT PERFORMANCE						92.6%
PRODUCTIVTY						42.3%
PRODUCTIVITY						
Date	11	-Aug-94	Exc	cused Delays for da	y (sorter-hrs)	20.8 hr
Contract day (from 6 Sep)		280	Exc	cused delays for co	ntract (sorter-hrs)	5,017 hr
Current Contract week		47	Exc	cused delay days (p	lant – days)	125 days
			Exc	cused delay months	(plant-month)	4.82 months
Soil production for Day		175 MT	•			
Cumlative Soil Production for W	eek	642 MT	Per	cent of contract co	mpleted	56.1%
Total Soil production for contract	et .		To	ns Ahead or Behind	d Schedule	1,750 MT
Since 6 Sep 93	3	54,498 MT	Da	ys ahead or behind	schedule	5.5 days
Since 6 Aug 9	3	56,089 MT	•			
Total Soil production for project		82,376 MT	•			

20K1	ER 1						11-	Aug-94		
2022	S	ORTER SOIL	DENSITY	1.24 to			ACKGROUND		0.74 ±	
SOIL					CONTAM	INATED	CLEAN		TOTA	L
	MASS TOT					tons	83.2 tons		87.5 to	ons
	MAXIMUM				57.8		57.8 kg			
	MINIMUM				0.7	_	46.2 kg		60.4 m	an.
		N-GROUND ECOVERY (LTCI EVIV	3.5	95.0%	65.9 yd ³		69.4 y	a ^s
ACTI		ECOVERT	CLEAN/(NO	TULLAN	<u> </u>	33.070	DICDEDCE	D + PARTIC	1.10	· · · · · · · · · · · · · · · · · · ·
ACII	Airr				DADT	TICLE	HOT		LEAN	
	TOTAL				74,600		16,721 kBq		6,002 k	D _o
	MAXIMUM	L'SORT			1,345	•	580 kBq	1	22 k	-
	MINIMUM	•			•	kBq	0 Bq		-3 k	•
	SPECIFIC A						3,832 Bq/kg		192 E	•
SORT										
		OCESS PERI	ODS				1,525	U	NEXP	PAUSE
	A	LL 80 ELEME	ENTS SORT (MD>0&M1	(D=0)	24		T	IME	TIME
		ONE (AD=0				377			07:38	11:19
					D <mndmax)< td=""><td>1,124</td><td></td><td>(</td><td>09:19</td><td></td></mndmax)<>	1,124		(09:19	
	υ	NEXPLAINE			0				11:18	
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			D=0 & MD>	-	0					
	a :one ee		D<0 & MD :	>0	0		15.050			
		UNT PERIOD -SEC RECOR		שדמר		3,675	15,250			
		-SEC RECOR				11,575				
					-s PERIODS		5,200			
		ESSING REC				,	2			
		T DETECTO	•		,					
	1	DET	2,636	71.73%		5 DET	9	0.24%		
	2	DET	825	22.45%		6 DET	0	0.00%		
		DET	177	4.82%		7 DET	0	0.00%		
		DET	28	0.76%		8 DET	0	0.00%		
		TIME BETW			11.6	sec				
		Y DISTRI								
	ESORTS	FDFOX	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
	SORTS 54	FREQ% 2.9%	(Bq) -14000	(#)	(Bq/kg)	0.00	(kBq)	(#)		2 201
1 2	255	13.8%	-12000	0	-242	0.0% 0.1%	4	86 1,659		2.3% 45.1%
3	307	16.7%	-10000	0	-208 -173	0.1%	12	667		43.1% 18.1%
4	340	18.4%	-8000	0	-173 -138	0.0%	16	371		10.1%
5	419	22.7%	-6000	0	-104	0.0%	20	200		5.4%
6	239	13.0%	-4000	0	-69	0.0%	24	125		3.4%
7	176	9.5%	-2000	1	-35	0.1%	28	90		2.4%
8	53	2.9%	0	3	0	0.2%	32	90		2.4%
TOTAL	1,843		2000	12	35	0.8%	36	45		1.2%
			4000	50	69	3.3%	40	46		1.3%
	ESORTS		6000	119	104	7.9%	44	36		1.0%
	SORTS	FREQ%	8000	222	138	14.8%	48	23		0.6%
9 10	150	8.2%	-10000 12000	292	173	19.4%	52	16		0.4%
10 11	276 330	15.1% 18.0%	12000 14000	280 192	208 242	18.6% 12.8%	56 60	15 22		0.4% 0.6%
12	330 377	20.6%	16000	156	242	12.8%	• 64	17		0.5%
13	375	20.5%	18000	90	311	6.0%	68	24		0.7%
14	215	11.7%	20000	68	346	4.5%	72	9		0.7%
15	109	5.9%	22000	16	381	1.1%	76	17		0.5%
TOTAL	1,832	3.7/0	24000	-0	415	0.0%	80	5		0.1%
	مة حرجو ه		26000	0	450	0.0%	84	4		0.1%
			>28000	0	0	0.0%	>84	108		2.9%
			TOTAL	1,503	U	0.070	TOTAL	3,675		2.7 /0
			IOIM.	1 200						





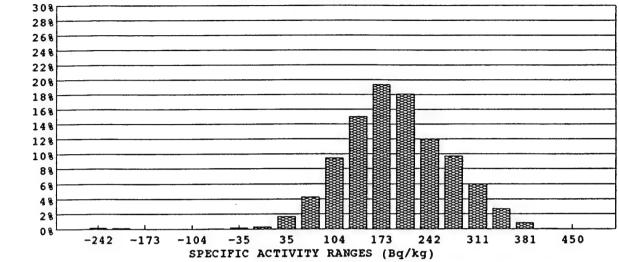




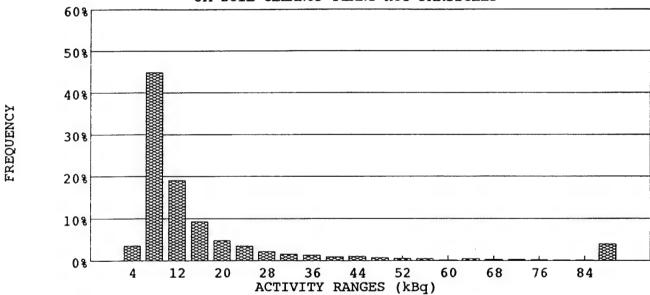
SORT	ER 2							Aug-94	
	SC	ORTER SOIL	DENSITY	1.24 ton	s/m³	B/	ACKGROUND		$.83 \pm 0.03 \text{ c/s}$
SOIL					CONTAM	INATED	CLEAN		OTAL
1	AASS TOT	AL			4.3 1		83.0 tons	8	7.2 tons
1	MUMIXAN	I/SORT			57.8 1	-	57.8 kg		
ı	MUMININ	SORT			0.7 1	_	47.5 kg		
		N-GROUND			3.4)		65.8 yd³	6	9.2 yd³
1	VEIGHT R	ECOVERY (C	CLEAN/(HOT	+CLEAN))		95.1%			
ACTIV	/ITY						DISPERSEI	+ PARTICLI	3
					PART	ICLE	HOT	CLE	AN
7	TATO				106,497	kBq	23,155 kBq	15,2	283 kBq
1	MUMIXAN	L/SORT			5,552	kBq	2,493 kBq		22 kBq
1	MINIMUM	SORT			3 !	kBq	0 Bq		-5 kBq
5	PECIFIC A	CTIVITY					5,432 Bq/kg		184 Bq/kg
SORT									
		OCESS PERI	ons				1,520	UNI	EXP PAUSE
		LL 80 ELEME		MD>0&MN	D=0	18		TIM	IE TIME
		ONE (AD=0			/	345		06	:46 11:19
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			D=0 & MD>		0			14	:27
			D<0& MD >		0				
-	-SEC COI	UNT PERIOD					15,200		
-		-SEC RECOR		ORTS		4,038			
	_	-SEC RECOR				11,162			
-		OCESS RECO			-s PERIODS	5)	5,558		
		ESSING REC				,	7		
		RT DETECTO	•	Í	,				
	1	DET	2,920	72.31%		5 DET	8	0.20%	
	2	DET	890	22.04%		6 DET	0	0.00%	
	-	DET	181	4.48%		7 DET	1	0.02%	
	4	DET	39	0.97%		8 DET	1	0.02%	
	AVERAGE	TIME BETW	EEN 2-SEC	SORTS	10.4	sec			
FREO	UENC	Y DISTRI	BUTION	IS					
	ESORTS		ACT_ND	NUM	SPEC_A	FREO%	ACT_P	NUM	FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)	
1	129	6.4%	-14000	3	-242	0.2%	4	146	3.6%
2	429	21.2%	-12000	2	-208	0.1%	8	1,811	44.8%
3	388	19.2%	-10000	0	-173	0.0%	12	771	19.1%
4	352	17.4%	-8000	0	-138	0.0%	16	375	9.3%
5	360	17.8%	-6000	0	-104	0.0%	20	196	4.9%
6	240	11.9%	-4000	1	-69	0.1%	24	141	3.5%
7	106	5.2%	-2000	3	-35	0.2%	28	90	2.2%
8	19	0.9%	0	5	0	0.3%	32	65	1.6%
TOTAL	2,023	0.770	2000	25	35	1.7%	36	53	1.3%
	_,0=0		4000	64	69	4.2%	40	39	1.0%
2-GAT	ESORTS		6000	143	104	9.5%	44	43	1.1%
DET	SORTS	FREQ%	8000	226	138	15.0%	48	30	0.7%
9	275	13.6%	10000	292	173	19.4%	52	22	0.5%
10	431	21.4%	12000	273	208	18.1%	56	19	0.5%
11	406	20.1%	14000	181	242	12.0%	60	9	0.2%
12	370	18.4%	16000	146	277	9.7%	, 64	18	0.4%
13	321	15.9%	18000	90	311	6.0%	68	14	0.3%
14	165	8.2%	20000	41	346	2.7%	72	13	0.3%
15	47	2.3%	22000	13	381	0.9%	76	10	0.2%
TOTAL	2,015	2.0,0	24000	1	415	0.1%	80	6	0.1%
	4,010		26000	ō	450	0.0%	84	6	0.1%
			>28000	0	0	0.0%	>84	161	4.0%
			TOTAL	1,509	U	0.070	TOTAL	4,038	
F-17 7 5-1	De tromo					Dice		-,	
EVENT	YPES	HPE	3,995	MPE	641	DISE	1,310		

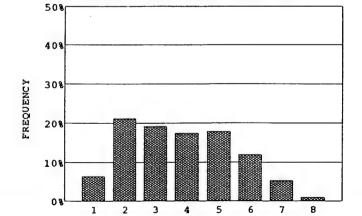
FREQUENCY





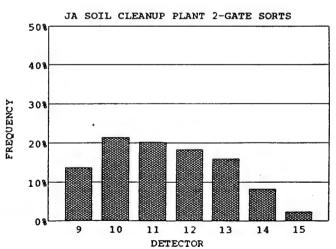
JA SOIL CLEANUP PLANT HOT PARTICLES





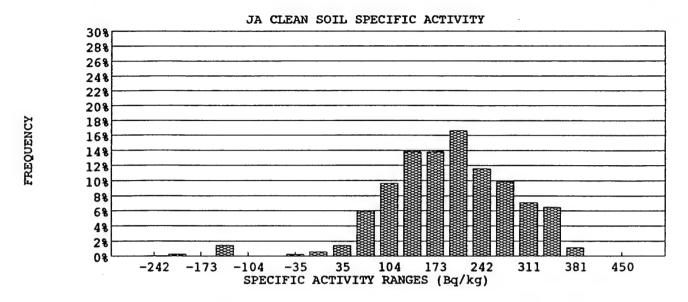
DETECTOR

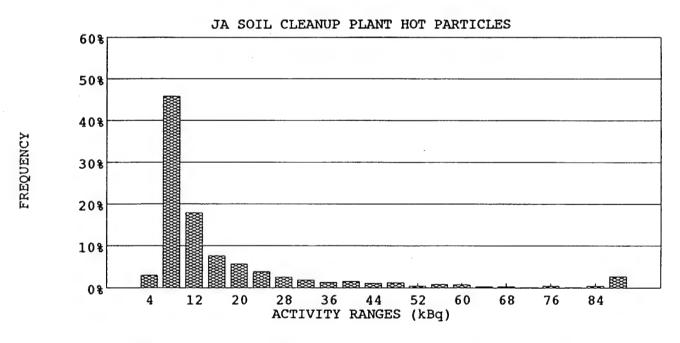
JA SOIL CLEANUP PLANT 1-GATE SORTS

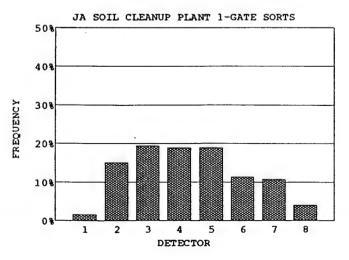


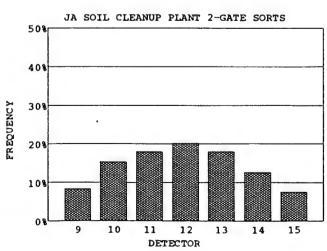
WORK DAY START	06:00 AM		WORK DAY	END	16:30 PM	
LUNCH START	11:00 AM		TIME LOST I	DURING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS	_	10.0 hr	10.0 h		10.0 hr	40.0 hr
SORTER AVAILABLE HOUR	RS	3.0 hr	3.0 h		0.0 hr	6.0 hr
SORTER START-UP		13:19	13:19	NA	NA	
START SOIL PROCESSING		13:24	13:23	NA	NA	
TIME REQUIRED TO START	Γ-UP	0.1 hr	0.1 h	0.0 hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN		16:20	16:20	NA	NA	
END SOIL PROCESSING		16:05	16:05	NA	NA	
TIME REQUIRED TO SHUT	DOWN	0.2 hr	0.2 h	0.0 hr	0.0 hr	0.5 hr
ACTUAL PROCESS HOURS		2.5 hr	2.5 hi	0.0 hr	0.0 hr	5.0 hr
DOWN-TIME		0.5 hr	0.5 hr	0.0 hr	0.0 hr	1.1 hr
SYSTEM PAUSE		0.2 hr	0.2 hr	0.0 hr	0.0 hr	0.4 hr
SORTER NONAVAILABLE T	IME	7.0 hr	7.0 hr	10.0 hr	10.0 hr	34.0 hr
AUTHORIZED DELAY TIME	3	6.7 hr	6.7 hr	10.0 hr	10.0 hr	33.4 hr
PLANT PERFORMANCE						82.4%
PRODUCTIVTY						12.4%
PRODUCTIVITY						
Date	12	-Aug-94	E	cused Delays for d	ay (sorter-hrs)	33.4 hr
Contract day (from 6 Sep)		281	E	cused delays for co	ntract (sorter-hrs)	5,050 hr
Current Contract week		47	E	cused delay days (olant – days)	126 days
			E	cused delay month	s (plant-month)	4.86 months
Soil production for Day		48 MT				
Cumlative Soil Production for W	eek	690 MT	Pe	rcent of contract co	ompleted	56.1%
Total Soil production for contrac	et		To	ons Ahead or Behin	d Schedule	1,746 MT
Since 6 Sep 93	3	54,546 MT	D	ays ahead or behind	schedule	5.5 days
Since 6 Aug 9	3	56,137 MT	•			•
Total Soil production for project		82,424 MT	•			

SORT	ER 1						12	-Aug-94		
		RTER SOIL	DENSITY	1.14 to			ACKGROUND		0.71	
SOIL					CONTAM	INATED	CLEAN		TOTA	
1	MASS TOTA	AL.			5.6		18.1 tons		23.7 t	ons
]	MAXIMUM	SORT			57.8	-	57.8 kg			
	MINIMUM/				0.6		43.2 kg		*0.0	
		N-GROUND		·		yd³	14.4 yd ³		18.8 y	ď
		ECOVERY (C	LEAN/(HO	(+CLEAN))	76.4%				
ACTIV	VITY							SED + PART		
					PART		нот		CLEAN	_
•	TOTAL				19,824	•	7,008 kBq		3,638 1	•
]	MAXIMUM	SORT			1,214	-	452 kBq		21 1	•
	MINIMUM/				3	kBq	0 Bq		-14 k	-
	SPECIFIC A	CTIVITY					1,253 Bq/k	8	201 I	эцик
SORT										D 4 1 100
:		OCESS PERIO					444			PAUSE
		LL 80 ELEME			ND=0)	93			TIME	TIME
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		JNT PERIOD		an me		1,035	4,440			
		-SEC RECOR -SEC RECOR				3,405				
	Z-	-SEC RECOR	DDS 47-c St	OI 30K IS	0-s PERIODS	,	1,479			
		ESSING RECO				"	3			
		T DETECTO	•	Canton atton,	cicj					
,		DET	729	70.43%		5 DET	2	0.19%		
		DET	248	23.96%		6 DET	0	0.00%		
		DET	48	4.64%		7 DET	0	0.00%		
		DET	8	0.77%		8 DET	0	0.00%		
		TIME BETW	EEN 2-SEC	SORTS	12.2	sec				
		DISTRI								
	ESORTS		ACT_ND	NUM	SPEC_A	FREO%	ACT_P	NUM		FREQ%
_	SORTS	FREO%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	8	1.5%	-14000	0	-242	0.0%	4	31		3.0%
2	78	15.0%	-12000	1	-208	0.3%	8	474		45.8%
3	101	19.5%	-10000	0	-173	0.0%	12	185		17.9%
4	98	18.9%	-8000	5	-138	1.4%	16	79		7.6%
5	98	18.9%	-6000	0	-104	0.0%	20	59		5.7%
6	59	11.4%	-4000	0	-69	0.0%	24	40		3.9%
7	56	10.8%	-2000	1	-35	0.3%	28	26		2.5%
8	21	4.0%	0	2	0	0.6%	32	19		1.8%
TOTAL	519		2000	5	35	1.4%	36	14		1.4%
			4000	21	69	5.9%	40	16		1.5%
2-GAT	ESORTS		6000	34	104	9.6%	44	11		1.1%
DET	SORTS	FREQ%	8000	49	138	13.8%	48	13		1.3%
9	43	8.3%	10000	49	173	13.8%	52	. 5		0.5%
10	79	15.3%	12000	59	208	16.7%	56	9		0.9%
11	93	18.0%	14000	41	242	11.6%	60	8		0.8%
12	104	20.2%	16000	35	277	9.9%	• 64	3		0.3%
13	93	18.0%	18000	25	311	7.1%	68	3		0.3%
14	65	12.6%	20000	23	346	6.5%	72	1		0.1%
15	39	7.6%	22000	4	381	1.1%	76	5		0.5%
TOTAL	516		24000	0	415		80	1		0.1%
			26000	0	450	0.0%	84	5		0.5%
			>28000	0	0	0.0%	>84	28	-	2.7%
			TOTAL	354			TOTAL	1,035		
	TYPES	HPE	1,002	MPE	379	DISE	6,853			

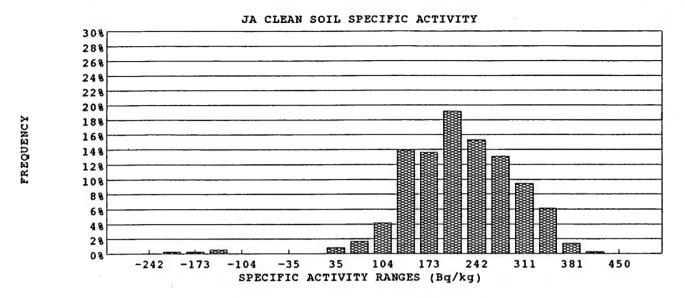


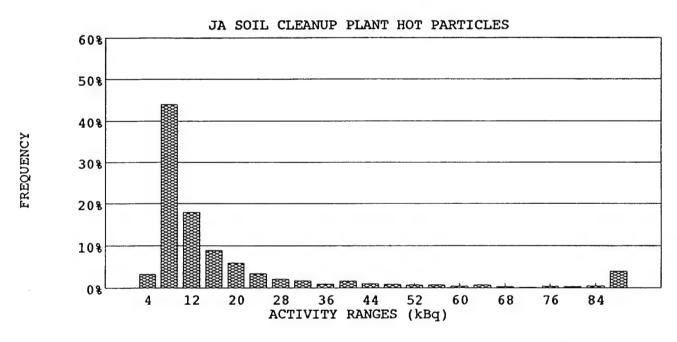


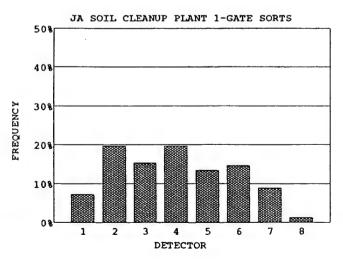


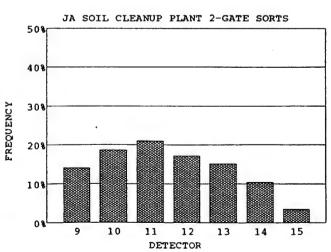


SORT	ER 2				12-Aug-94							
	S	ORTER SOIL	DENSITY	1.14 to	ns/m³	1	BACKGROUND		0.77 ±	0.02 c/s		
SOIL					CONTAN	INATED	CLEAN		TOTA	L		
	MASS TOT	AL				tons	18.5 tons	•	24.1 to	ons		
	MAXIMUM	I/SORT			57.8		57.8 kg					
	MINIMUM,				0.6	_	42.6 kg		10.1	**		
		N-GROUNE		T. CT EAST	4.5	ya' 76.7%	14.6 yd ³		19.1 ye	13		
		ECOVERY (CLEAN/(HO	I+CLEAN	0)	10.1%						
ACTI	VIIY							SED + PARTI				
						ICLE	HOT		CLEAN			
	TOTAL	(CODT			27,490	•	8,656 kBq	•	4,152 k	_		
	MAXIMUM				1,130	kBq	515 kBq 0 Bq		22 k -13 k	-		
	MINIMUM, SPECIFIC A				3	къч	1,539 Bq/	kσ	225 B	_		
SORT		1011111								4,		
		OCESS PERI	ODS				451	1	UNEXP	PAUSE		
•		LL 80 ELEME		MD>0&M	ND=0)	92			TIME	TIME		
		ONE (AD=0			,	98			15:02	14:14		
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		NEXPLAINE			(71)							
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:		UNTPERIOR					4,510					
		-SEC RECOR				1,274						
		-SEC RECOF			a project	3,236						
					0-s PERIODS	>)	1,725					
		ESSING REC	•	calibration,	etc)		1					
)		DET	893	70.09%		5 DET	8	0.63%				
		DET	294	23.08%		6 DET	0	0.00%				
		DET	58	4.55%		7 DET	0	0.00%				
		DET	21	1.65%		8 DET	0	0.00%				
		TIME BETW	EEN 2-SEC	SORTS	10.1	sec						
FREO	UENCY	Y DISTRI	BUTION	IS .								
	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%		
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)				
1	45	7.2%	-14000	ò	-242	0.0%	4	42		3.3%		
2	122	19.6%	-12000	1	-208	0.3%	8	560		44.0%		
3	95	15.3%	-10000	1	-173	0.3%	12	228		17.9%		
4	122	19.6%	-8000	2	-138	0.6%	16	114		8.9%		
5	83	13.4%	-6000	0	-104	0.0%	20	76		6.0%		
6	91	14.7%	-4000	0	-69	0.0%	24	44		3.5%		
7	55	8.9%	-2000	0	-35	0.0%	28	27		2.1%		
8	8	1.3%	0	0	0	0.0%	32	22		1.7%		
TOTAL	621		2000	3	35	0.8%	36 40	12		0.9%		
2-CAT	ESORTS		4000 6000	6 15	69 104	1.7% 4.2%	40 44	21 13		1.6% 1.0%		
DET	SORTS	FREQ%	8000	50	138	13.9%	48	11		0.9%		
9	92	14.1%	10000	49	173	13.6%	52	9		0.7%		
10	122	18.7%	12000	69	208	19.2%	56	9		0.7%		
11	137	21.0%	14000	55	242	15.3%	60	5		0.4%		
12	112	17.2%	16000	47	277	13.1%	. 64	9		0.7%		
13	99	15.2%	18000	34	311	9.4%	68	4		0.3%		
14	68	10.4%	20000	22	346	6.1%	72	2		0.2%		
15	23	3.5%	22000	5	381	1.4%	76	5		0.4%		
TOTAL	653		24000	1	415	0.3%	80	4		0.3%		
			26000	0	450	0.0%	84	6		0.5%		
			>28000 _	0	0	0.0%	>84	51		4.0%		
			TOTAL	360			TOTAL	1,274				
	TYPES	HPE	1,222	MPE	456	DISE	6,649					



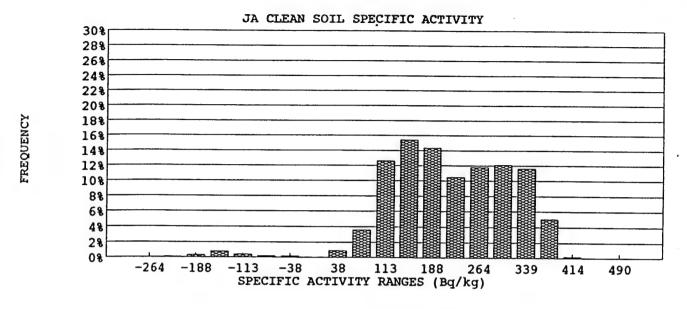


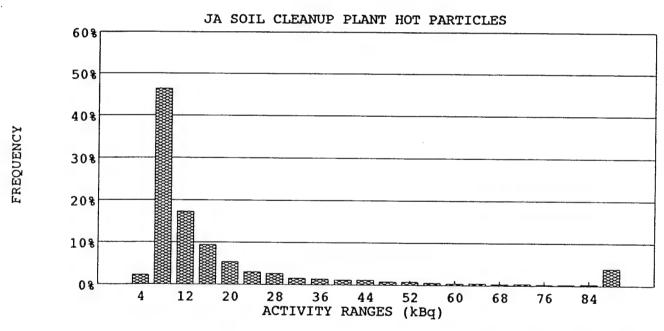


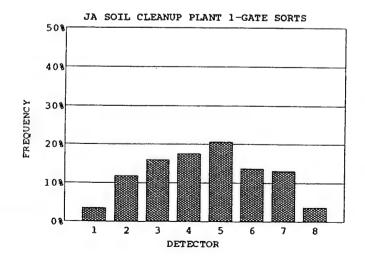


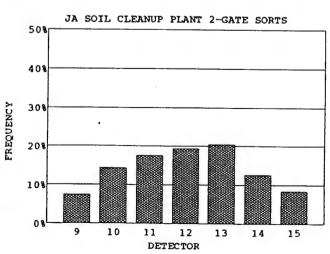
WORK DAY START	06:00 AM		WORK DAY	END	16:30 PM	
LUNCH START	11:00 AM		TIME LOST I	DURING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.5 hr	10.5 hr	10.5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HOU	IRS	8.3 hr	8.3 hr	0.0 hr	0.0 hr	16.6 hr
SORTER START-UP		06:57	06:57	NA	NA	2000 200
START SOIL PROCESSING		07:02	07:02	NA	NA	
TIME REQUIRED TO STAR	T-UP	0.1 hr	0.1 hr	0.0 hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN		15:15	15:15	NA	NA	
END SOIL PROCESSING		15:01	15:00	NA	NA	
TIME REQUIRED TO SHUT	rDOWN	0.2 hr	0.2 hr	0.0 hr	0.0 hr	0.5 hr
ACTUAL PROCESS HOURS		7.8 hr	7.7 hr	0.0 hr	0.0 hr	15.5 hr
DOWN-TIME		0.5 hr	0.6 hr	0.0 hr	0.0 hr	1.1 hr
SYSTEM PAUSE		0.2 hr	0.2 hr	0.0 hr	0.0 hr	0.3 hr
SORTER NONAVAILABLE	TIME	2.2 hr	2.2 hr	10.0 hr	10.0 hr	24.4 hr
AUTHORIZED DELAY TIM	ΙE	0.0 hr	0.0 hr	10.0 hr	10.0 hr	20.0 hr
PLANT PERFORMANCE						93.4%
PRODUCTIVTY						36.9%
PRODUCTIVITY						
Date	1	3-Aug-94	Ex	cused Delays for da	ny (sorter – hrs)	20 hr
Contract day (from 6 Sep)		282	Ex	cused delays for co	ntract (sorter-hrs)	5,070 hr
Current Contract week		47	Ex	cused delay days (p	olant – days)	127 days
			Ex	cused delay months	(plant-month)	4.88 months
Soil production for Day		148 MT				
Cumlative Soil Production for \	Week	838 MT	Pe	rcent of contract co	mpleted	56.3%
Total Soil production for contra	act		То	ns Ahead or Behin	d Schedule	1,735 MT
Since 6 Sep	93	54,694 MT	Da	ys ahead or behind	schedule	5.5 days
Since 6 Aug	93	56,285 MT				
Total Soil production for project	et	82,572 MT				

SORT	ER 1						13-	-Aug-94			
JOICI		SORTER SOIL	DENSITY	1.14 tor	ns/m³	В	ACKGROUND	$0.71 \pm 0.03 \text{ c/s}$			
SOIL						MINATED	CLEAN		TOTA		
li	MASS TO	ΓΑΙ			21.7	tons	52.5 tons		74.2 1	ons	
1)	MAXIMU				53.1		53.1 kg		,	0110	
()	MINIMUM				0.7		41.8 kg				
H		IN-GROUND)		17.2	-	41.6 yd ³		58.8 y	rd³	
{ I		RECOVERY (T+CLEAN))	70.8%					
ACTI	VITY						DISPERS	ED + PART	ICLE		
					PAR'	TICLE	нот		CLEAN		
	TOTAL				88,154	kBq	29,481 kBq		10,827 k	:Bq	
ii .	MAXIMU	M/SORT			2,813	•	1,146 kBq		20 k	:Bq	
	MINIMUM	I/SORT			3	kBq	0 Bq		-11 k	Bq	
	SPECIFIC	ACTIVITY					1,359 Bq/kg	<u> </u>	206 I	3q/kg	
SORT	S										
		ROCESS PERI	ODS				1,397		UNEXP	PAUSE	
	1	ALL 80 ELEME	ENTS SORT (MD>0&MN	$\sqrt{D}=0$)	378	·		TIME	TIME	
		NONE (AD=0	•			351			None	09:02	
		SOME (AD>0			D <mndmax< td=""><td>) 668</td><td></td><td></td><td></td><td>13:14</td></mndmax<>) 668				13:14	
		JNEXPLAINE			0						
		0	<ad<1kbq &<="" td=""><td>& MD>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq>	& MD>0	0						
			D=0 & MD>		0						
			D<0 & MD :	>0	0						
]		OUNT PERIOD					13,970				
		-SEC RECOR				3,760					
		-SEC RECOF			PERIOR	10,210					
		COCESS RECO				S)	5,157				
1		CESSING REC	•	calibration, c	eic)		13				
		RT DETECTO DET		69.18%		5 DET	16	0.43%			
		DET	873			6 DET	0	0.00%			
		DET	222	5.90%		7 DET	0	0.00%			
		DET	48	1.28%		8 DET	0	0.00%			
		E TIME BETW			10.7		•				
		Y DISTRI								111111	
1	ESORTS		ACT_ND	NUM	SPEC A	FREQ%	ACT_P	NUM		FREQ%	
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	I KLQ70	(kBq)	(#)		INLOW	
1	67	3.6%	-14000	0	-264	0.0%	4	84		2.2%	
2	224	11.9%	-12000	1	-226		8	1,746		46.4%	
3	301	16.0%	-10000	3	-188	0.3%	12	651		17.3%	
4	331	17.5%	-8000	8	-151	0.8%	16	353		9.4%	
5	389	20.6%	-6000	4	-113	0.4%	20	202		5.4%	
6	258	13.7%	-4000	2	-75	0.2%	24	114		3.0%	
7	248	13.1%	-2000	2	-38	0.2%	28	99		2.6%	
8	69	3.7%	0	0	0	0.0%	32	57		1.5%	
TOTAL	1,887		2000	9	38	0.9%	36	52		1.4%	
			4000	37	75	3.6%	40	44		1.2%	
	ESORTS		6000	130	113	12.6%	44	44		1.2%	
DET	SORTS	FREQ%	8000	159	151	15.4%	48	28		0.7%	
9	138	7.4%	10000	148	188	14.3%	52	28		0.7%	
10	267	14.3%	12000	108	226	10.5%	56	21		0.6%	
11 12	329 362	17.6%	14000	122	264	11.8%	60	14		0.4%	
13	383	19.3% 20.4%	16000 18000	125 120	301 339	12.1% 11.6%	· 64 68	16		0.4% 0.3%	
								11			
14	236	12.6%	20000	52	377	5.0%	72	15		0.4%	
15	158	8.4%	22000	2	414	0.2%	76	9		0.2%	
TOTAL	1,873		24000	0	452	0.0%	80	9		0.2%	
			26000	0	490	0.0%	84	11		0.3%	
			>28000	1 022	0	0.0%	>84	152		4.0%	
EMENTE	TVDEC	IIDE	TOTAL	1,032		DICE	TOTAL	3,760			
EVENT	I Y PES	HPE	3,576	MPE	1,406	DISE	27,700				

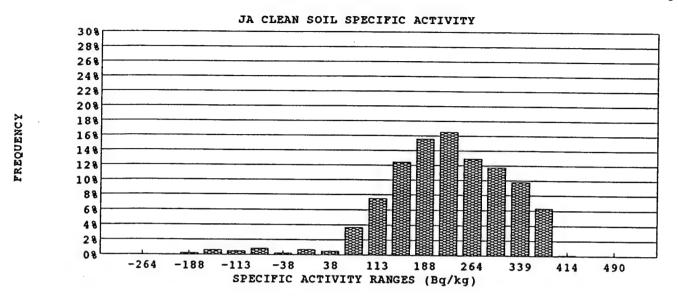


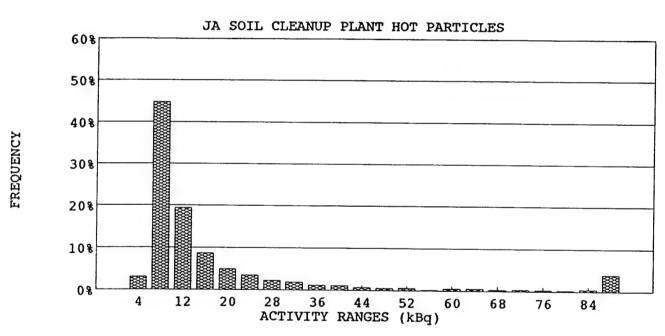


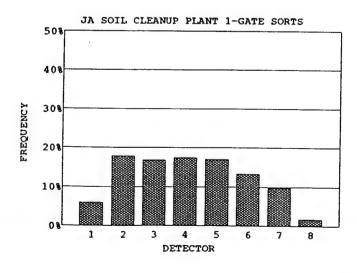


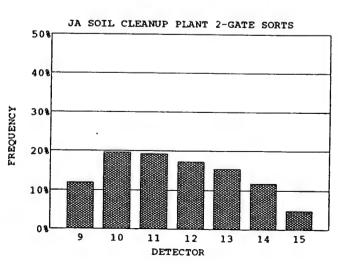


SOR	rer '	2		:			•	1	3-Aug-94		
SOR			RTER SOIL I	DENSITY	1.14 to	ns/m³	1	BACKGROUND	_	0.77 :	± 0.02 c/s
SOIL	,					CONTAM	INATED	CLEAN		TOTA	T
	MASS	TOTA	L			32.0		42.0 ton	s	74.0 t	ons
	MAXI	MUM	SORT			53.1	-	53.1 kg			
	MINIM	•				0.7	_	42.5 kg		50.6	
			N-GROUND		D. G. D.A.	25.4		33.3 yd³		58.6 y	ď
4 67767			ECOVERY (C	LEAN/(HO)	+CLEAN)	56.7%	DIODE		OI F	
ACTI	IVII :	Y				2.27			RSED + PARTI		
		_				PART		HOT		CLEAN 8,981)	·D.
	TOTA		CODT			103,588 2,764	•	40,020 kB 1,173 kB	-	20)	
	MIND		SORT		•		kBq	0 Bq	•	-7)	
			CTIVITY				q	1,250 Bq			og/kg
SOR											
JOIL.		C PR	OCESS PERIO	ODS				1,393	1	UNEXP	PAUSE
			L 80 ELEME		MD>0&M	ND=0)	580	•		ПМЕ	TIME
		N	ONE (AD=0 &	k MD=0 & N	IND>0)		303			11:33	09:02
						ID <mndmax)< td=""><td>510</td><td></td><td></td><td>11:56</td><td>13:14</td></mndmax)<>	510			11:56	13:14
		U	VEXPLAINEI			0				13:33	
				AD<1kBq &		4				14:12	
				D=0 & MD> D<0 & MD >		0					
	2 SE	COI	AI NT PERIOD:		>0	U		13,930			
	2-3E		SEC RECOR		ORTS		4,711	15,550			
			SEC RECOR				9,219				
	TOTA	LPRO	CESS RECO	RDS (2-s S0	ORTS and 2	0-s PERIODS	5)	6,104			
			ESSING RECO					16			
]	2-SE	CSOR	T DETECTO								
			DET		68.24%		5 DET	25	0.53%		
			DET	1,109	23.54%		6 DET	. 0	0.00% 0.00%		
			DET DET	293 69	6.22% 1.46%		7 DET 8 DET	. 0	0.00%		
	AVER		TIME BETWI		_	8.7		U	0.0070		
FRE			DISTRI								
	TESOF			ACT_ND	NUM	SPEC A	FREQ%	ACT_P	NUM		FREQ%
DET			FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	1	141	6.0%	-14000	Ó	-264	0.0%	4	147		3.1%
2	2 4	422	17.9%	-12000	0	-226	0.0%	8	2,110		44.8%
3		397	16.8%	-10000	2	-188	0.2%	12	913		19.4%
4		411	17.4%	-8000	5	-151	0.6%	16	409		8.7%
5		402	17.0%	-6000 4000	4	-113 -75	0.5%	20 24	236 166		5.0% 3.5%
6		314 232	13.3% 9.8%	-4000 -2000	7 2	-73 -38	0.8% 0.2%	28	107		2.3%
8		42	1.8%	-2000	6	-38	0.2%	32	87		1.8%
TOTAL		361	2.070	2000	4	38	0.5%	36	57		1.2%
				4000	30	75	3.6%	40	51		1.1%
	TE SOI			6000	62	113	7.5%	44	35		0.7%
DET			FREQ%	8000	103	151	12.4%	48	26		0.6%
9		280	11.9%	10000	129	188	15.6%	52	30		0.6%
10		461	19.6%	12000	137	226	16.5%	56 60	10		0.2%
11		452 405	19.2%	14000	107 97	264 301	12.9% 11.7%	60 64	28 26		0.6 <i>%</i> 0.6 <i>%</i>
12		405 362	17.2% 15.4%	16000 18000	81	339	9.8%	. 68	17		0.4%
14		275	11.7%	20000	52	377	6.3%	72	20		0.4%
1.5		115	4.9%	22000	1	414	0.1%	76	17		0.4%
TOTAL		350		24000	0	452	0.0%	80	11		0.2%
	,			26000	0	490	0.0%	84	22		0.5%
				>28000	0	0	0.0%	>84	186		3.9%
Į.				TOTAL	829			TOTAL	4,711		
i											







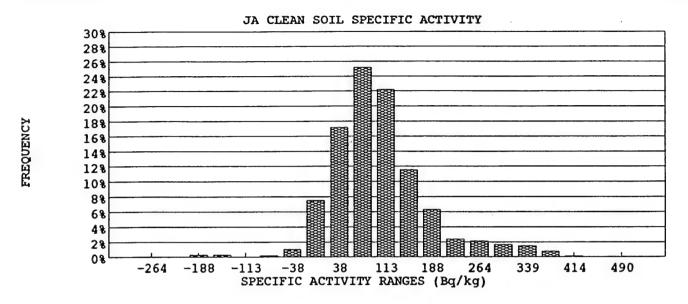


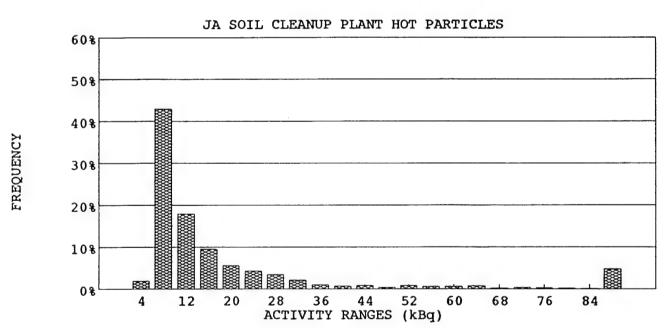
WORK DAY START	06:00 AM		WORK DAY E	ND	16:30 PM	
LUNCH START	11:00 AM		TIME LOST DI	URING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOU	RS	8.3 hr	8.3 hr	0.0 hr	0.0 hr	16.6 hr
SORTER START-UP	-	06:32	06:32	NA	NA	
START SOIL PROCESSING		06:46	06:47	NA	NA	
TIME REQUIRED TO STAR	T-UP	0.2 hr	0.3 hr	0.0 hr	0.0 hr	0.5 hr
SORTER SHUT-DOWN		15:20	15:20	NA	NA	
END SOIL PROCESSING		15:02	15:01	NA	NA	
TIME REQUIRED TO SHUT	DOWN	0.3 hr	0.3 hr	0.0 hr	0.0 hr	0.6 hr
ACTUAL PROCESS HOURS		7.1 hr	7.1 hr	0.0 hr	0.0 hr	14.1 hr
DOWN-TIME		1.2 hr	1.2 hr	0.0 hr	0.0 hr	2.5 hr
SYSTEM PAUSE		1.2 hr	1.2 hr	0.0 hr	0.0 hr	2.3 hr
SORTER NONAVAILABLE	пме	1.7 hr	1.7 hr	10.0 hr	10.0 hr	23.4 hr
AUTHORIZED DELAY TIM	E	0.5 hr	0.5 hr	10.0 hr	10.0 hr	21.0 hr
PLANT PERFORMANCE						85.1%
PRODUCTIVTY						35.3%
PRODUCTIVITY						
Date	1	15-Aug-94	Exc	used Delays for d	ay (sorter-hrs)	21 hr
Contract day (from 6 Sep)		283	Exc	used delays for co	ontract (sorter-hrs)	5,091 hr
Current Contract week		48	Exc	used delay days (1	olant – days)	127 days
			Exc	used delay month	s (plant-month)	4.90 months
Soil production for Day		135 MT	•			
Cumlative Soil Production for V	Veek	135 MT	Per	cent of contract co	ompleted	56.4%
Total Soil production for contra	ct		To	ns Ahead or Behin	d Schedule	1,720 MT
Since 6 Sep 9	93	54,829 MT	Day	ys ahead or behind	i schedule	5.4 days
Since 6 Aug	93	56,420 MT	•			
Total Soil production for project	et.	82,707 MT	•			

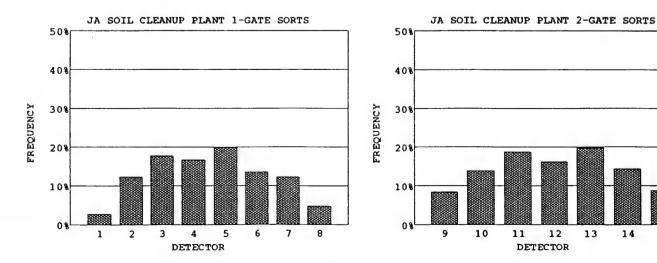
SOR	TER 1						1	5-Aug-94		
		ORTER SOIL	DENSITY	1.14 to	ns/m³		BACKGROUND		0.70 :	± 0.02 c/
SOIL	,				CONTAI	MINATED	CLEAN		TOTA	AL.
	MASS TOT	TAL			3.7	tons	63.7 tons	s	67.5 t	ons
	MAXIMUN	M/SORT			53.1	kg	53.1 kg			
	MINIMUM	/SORT			0.7	kg	44.5 kg			
		IN-GROUNI				yd³	50.5 yd³		53.5 y	rd³
		RECOVERY (CLEAN/(HO	T+CLEAN)	94.5%				
ACT	IVITY						DISPER	SED + PART	ICLE	
					PAR'	TICLE	HOT		CLEAN	
	TOTAL				31,355	kBq	8,201 kBc	1	5,501 k	Вq
	MAXIMUN	•			2,063	•	919 kBc	1	20 l	•
	MINIMUM				3	kBq	0 Bq		-4 k	•
	SPECIFIC.	ACTIVITY					2,192 Bq/	kg	86 I	3q/kg
SOR	ΓS									
		ROCESS PER					1,271		UNEXP	PAUSE
		LL 80 ELEMI		•	ND=0)	57			TIME	TIME
		IONE (AD=0				837			07:02	10:51
		OME (AD>0) 377			08:10	
	τ	INEXPLAINE			0				14:01	
			<ad<1kbq< td=""><td></td><td>4</td><td></td><td></td><td></td><td>14:12</td><td></td></ad<1kbq<>		4				14:12	
			ND=0 & MD:		0					
	2 650.00	A UNT PERIOI	\D<0 & MD	>0	0		12,710			
		-SEC RECO		OPTS		1,185	12,/10			
		-SEC RECO				11,525				
		OCESS RECO			0-s PERIODS		2,456			
		ESSING REC	•			-)	8			
		RT DETECTO	•	,	,		-			
	1	DET	809	68.27%		5 DET	1	0.08%		
	. 2	DET	295	24.89%		6 DET	O	0.00%		
	3	DET	63	5.32%		7 DET	0	0.00%		
	4	DET	17	1.43%		8 DET	0	0.00%		
		TIME BETW			31.4	sec				
FREC	QUENC'	Y DISTRI	BUTION	1S						
1-GA	TE SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	16	2.7%	-14000	0	-264	0.0%	4	23		1.9%
2	72	12.3%	-12000	0	-226	0.0%	8	509		43.0%
3	104	17.7%	-10000	3	-188	0.2%	12	212		17.9%
4		16.7%	-8000	3	-151	0.2%	16	113		9.5%
5		19.9%	-6000	0	-113	0.0%	20	67		5.7%
6		13.6%	-4000	2	-75	0.2%	24	51		4.3%
7		12.3%	-2000	12	-38	1.0%	28	41		3.5%
8 ************************************	28	4.8%	2000	92	0	7.5%	32	26		2.2%
TOTAL	587		2000 4000	210 308	38	17.2% 25.2%	36	12		1.0%
2-GA7	TE SORTS		6000	308 271	75 113	23.2%	40 44	8 10		0.7% 0.8%
DET		FREQ%	8000	141	151	11.5%	44 48	5		0.8%
9	50	8.4%	10000	77	188	6.3%	52	10		0.4%
10		13.9%	12000	29	226	2.4%	56	7		0.6%
11	112	18.7%	14000	26	264	2.1%	60	7		0.6%
12		16.2%	16000	20	301	1.6%	64	9		0.8%
13		19.7%	18000	18	339	1.5%	68	3		0.3%
14	86	14.4%	20000	9	377	0.7%	72	5		0.4%
15	52	8.7%	22000	1	414	0.1%	76	4		0.3%
TOTAL	598		24000	0	452	0.0%	80	3		0.3%
			26000	0	490	0.0%	84	2		0.2%
			>28000	0	0	0.0%	>84	58		4.9%
			TOTAL	1,222	· ·	0.070	TOTAL	1,185		4.770
			IUIAL	1.222			IOIAL	1.160		

14

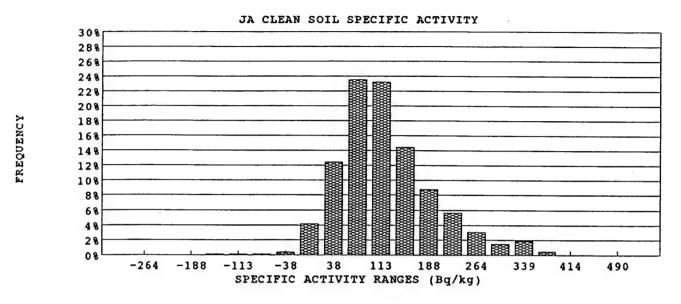
12

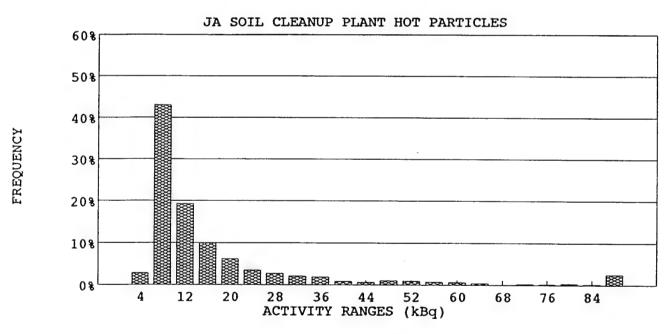


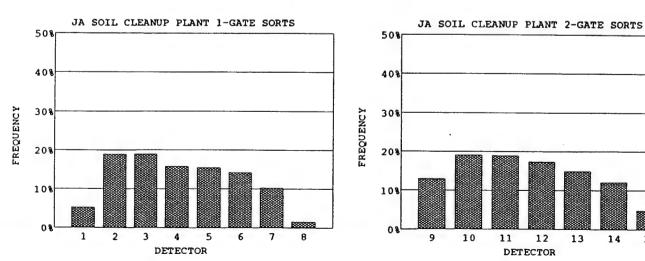




SORT	ER 2						1	5-Aug-94		
	S	ORTER SOIL	DENSITY	1.14 to			BACKGROUND		0.77 ±	0.02 c
SOIL						MINATED	CLEAN		TOTAL	
	MASS TOT					tons	63.0 ton	S	67.5 to	ns
	MAXIMUN				53.1 0.7	-	53.1 kg 45.1 kg			
	MINIMUM	N-GROUND)			yd ³	50.0 yd ³		53.5 yd	3
		ECOVERY (T+CLEAN		93.4%	50.0 yu		332 yu	
	VITY				·		DISPER	RSED + PART	ICLE	
					PAR	nale	нот		CLEAN	
	TOTAL				24,129	kBq	7,395 kBc	4	6,536 kB	g
	MAXIMUN	1/SORT			1,495	kBq	651 kBc	1	19 kB	q
	MINIMUM				3	kBq	0 Bq		-5 kB	-
	SPECIFIC A	ACTIVITY	···				1,656 Bq/	kg	104 Bg	/kg
SORT										
		OCESS PERI					1,271		UNEXP I	
		LL 80 ELEME			ND=0)	70 702				TIME
		ONE (AD=0			D~MND	792			10:12	10:52
		OME (AD>08 NEXPLAINE			D <mndmax< td=""><td>409</td><td></td><td></td><td>12:47</td><td></td></mndmax<>	409			12:47	
	U		<ad<1kbq< td=""><td></td><td>2</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq<>		2					
			D=0 & MD>		0					
			D<0 & MD		0					
	2-SEC CO	UNTPERIOD	S				12,710			
	2	-SEC RECOR	EDS WITH SO	ORTS		1,301				
		-SEC RECOR				11,409				
					0-s PERIODS	5)	2,572			
		ESSING REC	•	calibration,	etc)		6			
•		RT DETECTO		72.33%		5 DET	3	0.23%		
		DET DET	288	22.14%		6 DET	0	0.23%		
		DET	54	4.15%		7 DET	0	0.00%		
		DET	15	1.15%		8 DET	0	0.00%		
	AVERAGE	TIME BETW	EEN 2-SEC	SORTS	27.0	sec				
FREQ	UENC	Y DISTRI	BUTION	1S						
	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM	F	REQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	34	5.2%	-14000	0	-264	0.0%	4	37		2.8%
2	124	18.9%	-12000	0	-226		8	559		43.0%
3	124	18.9%	-10000	0	-188	0.0%	12	250		19.2%
4	103	15.7%	-8000	2	-151	0.2%	16	130		10.0%
5	101	15.4%	-6000 -4000	2 2	-113 -75	0.2% 0.2%	20 24	81 46		6.2%
6 7	93 67	14.2% 10.2%	-2000	5	-73 -38	0.2%	28	46 35		3.5% 2.7%
8	10	1.5%	0	50	-38	4.1%	32	28		2.2%
OTAL	656	2.0.70	2000	150	38	12.4%	36	24		1.8%
			4000	284	75	23.5%	40	11		0.8%
2-GAT	ESORTS		6000	280	113	23.2%	44	8		0.6%
DET	SORTS	FREQ%	8000	174	151	14.4%	48	14		1.1%
9	83	12.9%	10000	106	188	8.8%	52	12		0.9%
10	123	19.1%	12000	68	226	5.6%	56	9		0.7%
11	122	18.9%	14000	37	264	3.1%	60	8		0.6%
12	112	17.4%	16000	18	301	1.5%	. 64	5		0.4%
13 14	96 78	14.9% 12.1%	18000 20000	23 6	339 377	1.9% 0.5%	68 72	0		0.0% 0.2%
15	78 31	4.8%	22000	0	414	0.5%	72 76	2		0.2%
OTAL	645	7.070	24000	0	452	0.0%	80	4		0.2%
	0,13		26000	0	490	0.0%	84	2		0.2%
			>28000	0	0	0.0%	>84	33		2.5%
					9					,_
			TOTAL	1,207			TOTAL	1,301		

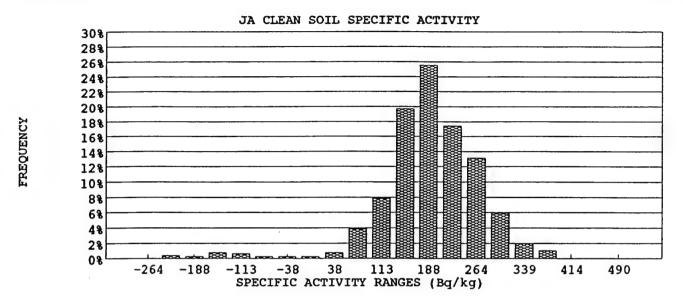


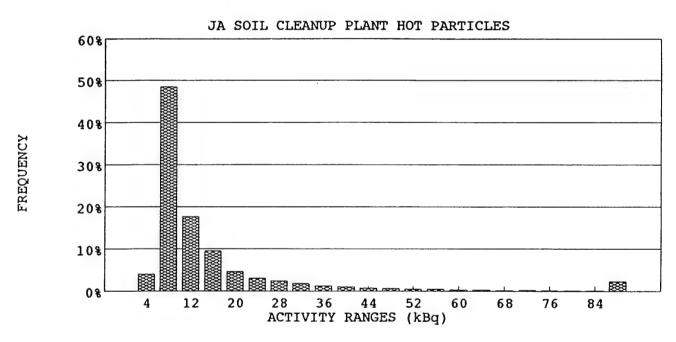


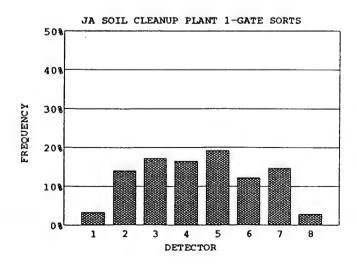


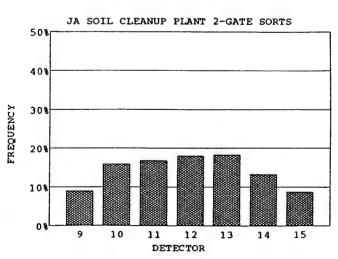
WORK DAY START	06:00 AM		WORK DAY E	END	16:30 PM	
LUNCH START	11:00 AM		TIME LOST D	URING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOUR	S	9.3 hr	9.3 hr	0.0 hr	0.0 hr	18.6 hr
SORTER START-UP		06:33	06:33	NA	NA	2000
START SOIL PROCESSING		06:39	06:38	NA	NA	
TIME REQUIRED TO START	-UP	0.1 hr	0.1 hr	0.0 hr	0.0 hr	0.2 hr
SORTER SHUT-DOWN		16:20	16:20	NA	NA	
END SOIL PROCESSING		16:05	16:05	NA	NA	
TIME REQUIRED TO SHUT I	OOWN	0.2 hr	0.2 hr	0.0 hr	0.0 hr	0.5 hr
ACTUAL PROCESS HOURS		7.9 hr	8.0 hr	0.0 hr	0.0 hr	15.9 hr
DOWN-TIME		1.3 hr	1.3 hr	0.0 hr	0.0 hr	2.6 hr
SYSTEM PAUSE		1.4 hr	1.4 hr	0.0 hr	0.0 hr	2.9 hr
SORTER NONAVAILABLE TI	ME	0.7 hr	0.7 hr	10.0 hr	10.0 hr	21.4 hr
AUTHORIZED DELAY TIME		0.5 hr	0.5 hr	10.0 hr	10.0 hr	21.0 hr
PLANT PERFORMANCE						85.8%
PRODUCTIVTY						39.8%
PRODUCTIVITY						
Date	16	5-Aug-94	Exc	used Delays for da	y (sorter – hrs)	21 hr
Contract day (from 6 Sep)		284	Exc	used delays for con	ntract (sorter-hrs)	5,112 hr
Current Contract week		48	Exc	used delay days (p	lant – days)	128 days
			Exc	used delay months	(plant-month)	4.92 months
Soil production for Day		152 MT	•			
Cumlative Soil Production for We	ek	287 MT	Per	cent of contract co	mpleted	56.6%
Total Soil production for contract				s Ahead or Behind	d Schedule	1,722 MT
Since 6 Sep 93		54,981 MT	Day	s ahead or behind	schedule	5.4 days
Since 6 Aug 93		56,572 MT	•			
Total Soil production for project		82,859 MT	•			

SORTI	ER 1						16-	-Aug-94		
		RTER SOIL	DENSITY	1.14 ton			ACKGROUND		0.69 ±	
SOIL					CONTAM	INATED	CLEAN		TOTA	
M	ASS TOTA	AL.			36.5 1		39.5 tons		75.9 to	ons
M	IAXIMUM	/SORT			53.1 1	_	53.1 kg			
	IINIMUM/				0.7 1	•	34.5 kg		(0.0	12
		N-GROUND			28.9 y		31.3 yd³		60.2 y	d,
		ECOVERY (C	LEAN/(HO)	(+CLEAN))		52.0%				
ACTIV	TTY							ED + PARTIO		
					PART		HOT		LEAN	
	OTAL	·			158,365		68,071 kBq		7,121 k	-
	IAXIMUM	•			2,491	ква kBq	1,185 kBq 0 Bq		20 k -10 k	•
	AINIMUM/				2 1	ььч	1,867 Bq/kg		180 H	-
SORTS	PECIFIC A	CHVIII					1,007 Dqrib		200 2	-4-B
		OCECC PEDIA	one				1,430	1	INEYP	PAUSE
2		OCESS PERIO LL 80 ELEME		MD>0&MN	D-0)	670	1,450		ПМЕ	TIME
		ONE (AD=0 &			D-0)	294			12:55	07:24
		ONE (AD=0 & OME (AD>0&) <mndmar\< td=""><td></td><td></td><td></td><td>14:04</td><td>08:19</td></mndmar\<>				14:04	08:19
		NEXPLAINEI			0				14:47	12:55
	0.		AD<1kBq &		3					10:14
			D=0 & MD>		0					10:49
		A	D<0 & MD :	>0	0					
2		JNT PERIOD					14,300			
	_	-SEC RECOR				9,216				
		-SEC RECOR			PERIODO	5,084	10.646			
		OCESS RECO)	10,646 16			
		ESSING RECO		cambration, e	ic)		10			
2		DET	5,712	61.98%		5 DET	58	0.63%		
		DET	2,432	26.39%		6 DET	0	0.00%		
		DET	787	8.54%		7 DET	2	0.02%		
		DET	227	2.46%		8 DET	0	0.00%		
ı A	VERAGE	TIME BETW	EEN 2-SEC	SORTS	4.9	sec				
FREO	UENCY	DISTRI	BUTION	1S						
1-GATI			ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	152	3.3%	-14000	0	-264	0.0%	4	368		4.0%
2	649	14.1%	-12000	3	-226	0.4%	8	4,468		48.5%
3	797	17.3%	-10000	2	-188	0.3%	12	1,628		17.7%
4	759	16.4%	-8000	6	-151	0.8%	16	880		9.5%
5	884	19.1%	-6000	5	-113	0.6%	20	428		4.6%
6	564	12.2%	-4000	2	-75 28	0.3%	24	286		3.1%
7	681	14.7%	-2000 0	2 2	-38 0	0.3% 0.3%	28 32	219 162		2.4% 1.8%
TOTAL	4,617	2.8%	2000	6	38	0.8%	36	115		1.2%
TOTAL	7,017		4000	30	75	3.9%	40	93		1.0%
2-GATI	ESORTS		6000	61	113	7.9%	44	63		0.7%
DET	SORTS	FREQ%	8000	153	151	19.7%	48	59		0.6%
9	413	9.0%	10000	198	188	25.5%	52	41		0.4%
10	732	15.9%	12000	135	226	17.4%	56	45		0.5%
11	775	16.9%	14000	102	264	13.1%	60	28		0.3%
12	828	18.0%	16000	46	301	5.9%	64	28		0.3%
13	838	18.2%	18000	15	339	1.9%	68	19		0.2%
14	612	13.3%	20000	8	377	1.0%	72	21		0.2%
15	401	8.7%	22000	0	414	0.0%	76	19		0.2%
TOTAL	4,599		24000	0	452	0.0%	80	12		0.1%
			26000	0	490	0.0%	84	17		0.2%
			>28000	0	0	0.0%	>84	217		2.4%
	w mass		TOTAL	776		27 4 6 27	TOTAL	9,216		
EVENT 1	YPES	HPE	8,018	MPE_	6,999	DISE	39,925			





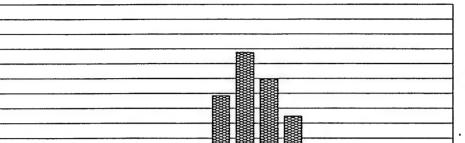


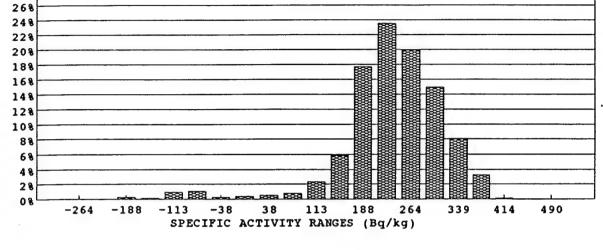


SORTI	ER 2						1	6-Aug-94		
JORGA		ORTER SOIL	DENSITY	1.14 to	ns/m³		BACKGROUND	•	0.76	± 0.04 c/s
SOIL					CONTAN	MINATED	CLEAN		TOTA	AL.
N	ASS TOT	AL			37.2	tons	39.3 ton	s	76.4 1	ions
M	IAXIMUN	A/SORT			53.1	_	53.1 kg			
1	INIMUM				0.7	•	37.2 kg			
f		IN-GROUND		T. OF FAND	29.5	-	31.1 yd³		60.6 y	yd³
ACTIV		ECOVERY (CLEAN/(HO	I+CLEAN))	51.4%				
ACITY	11 1				DAD	nae		RSED + PART		
-	OTAL				161,098		HOT 72,107 kBe		CLEAN	L-T)
	IAXIMUN	A/SORT			1,028		479 kB		8,858 1 20 1	
1	INIMUM					kBq	0 Bq	•	-11	-
		ACTIVITY					1,941 Bq/			Bq/kg
SORTS	3									
20	0-SEC PR	OCESS PERI	ODS				1,439		UNEXP	PAUSE
		LL 80 ELEME			$\sqrt{D}=0$)	682			TIME	TIME
		IONE (AD=0			n	281			12:09	07:24
		OME (AD>08) 476			13:39	08:20
	U	NEXPLAINE	<ad<1kbq &<="" td=""><td></td><td>0</td><td></td><td></td><td></td><td>14:41 15:29</td><td>12:09 10:14</td></ad<1kbq>		0				14:41 15:29	12:09 10:14
			D=0 & MD>		0				13.29	10:14
			D<0 & MD:		0					20.00
2	-SEC CO	UNTPERIOD					14,390			
		-SEC RECOR				9,965				
_		-SEC RECOR				4,425				
		OCESS RECC				S)	11,404			
		ESSING REC		calibration, e	etc)		12			
		DET	6,104	61.25%		5 DET	78	0.78%		
		DET	2,646	26.55%		6 DET	0	0.00%		
		DET	894	8.97%		7 DET	3	0.03%		
		DET	243	2.44%		8 DET	0	0.00%		
		TIME BETW			4.8	sec				
		Y DISTRI								
1-GATE		FDFOX	ACT_ND	NUM	_	FREQ%	ACT_P	NUM		FREQ%
DEI	SORTS 246	FREQ% 4.9%	(Bq) -14000	(#) 0	(Bq/kg) -264	0.0%	(kBq)	(#)		£ 00°
2	956	19.0%	-12000	0	-204	0.0%	4 8	496 4,674		5.0% 46.9%
3	870	17.3%	-10000	2	-188	0.3%	12	1,826		18.3%
4	882	17.5%	-8000	1	-151	0.1%	16	899		9.0%
5	839	16.7%	-6000	7	-113	0.9%	20	509		5.1%
6	692	13.8%	-4000	8	-75	1.0%	24	322		3.2%
7	485	9.6%	-2000	2	-38	0.3%	28	212		2.1%
8 -	5.032	1.2%	2000	3	0	0.4%	32	161		1.6%
TOTAL	5,032		2000 4000	4 6	38 75	0.5% 0.8%	36 40	118		1.2%
2-GATE	SORTS		6000	18	113	2.3%	44	111 65		1.1% 0.7%
	SORTS	FREQ%	8000	45	151	5.9%	48	73		0.7%
9	599	12.1%	10000	136	188	17.7%	52	50		0.5%
10	1,000	20.3%	12000	181	226	23.5%	56	41		0.4%
11	938	19.0%	14000	153	264	19.9%	60	35		0.4%
12	845	17.1%	16000	115	301	15.0%	64	34		0.3%
13	776	15.7%	18000	62	339	8.1%	68	20		0.2%
14 15	581	11.8%	20000	25	377	3.3%	72 76	32		0.3%
TOTAL -	4,933	3.9%	22000 24000	1 0	414 452	0.1% 0.0%	76 80	19		0.2% 0.2%
·	7,733		26000	0	490	0.0%	84	20 16		0.2%
			>28000	0	0	0.0%	>84	232		2.3%
			TOTAL	769	Ů	3.0,0	TOTAL	9,965		, /0
EVENTT	YPES	HPE	8,530	MPE	8,112	DISE	39,337	,		
		****			0,112	DIOL	1000			

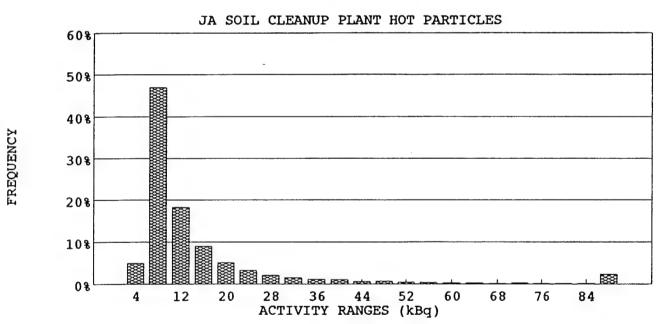
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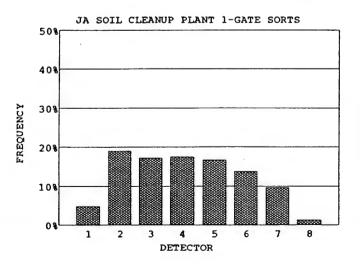
30% 28%

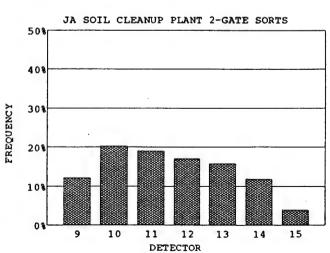




JA CLEAN SOIL SPECIFIC ACTIVITY

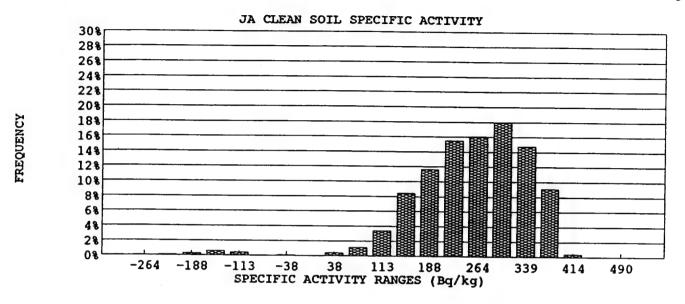


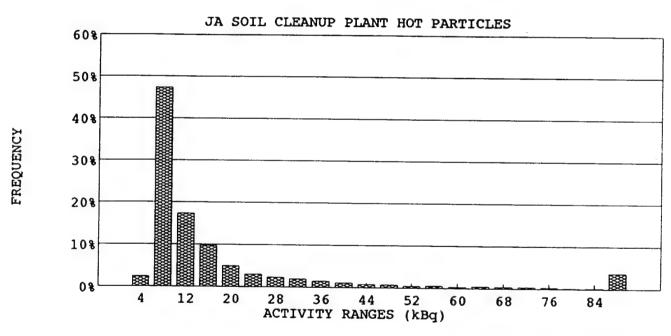


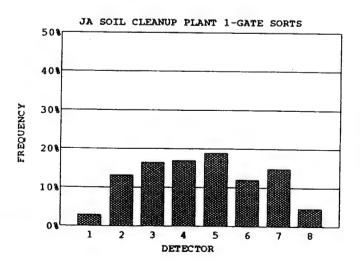


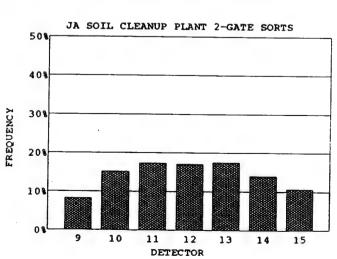
WORK DAY START	06:00 AM		WORK DA	Y EN	ID	16:30 PM		
LUNCH START	11:00 AM		TIMELOS	r DU	RING LUNCH	0.5 HR		
		SORTER 1	SORTE	₹2	SORTER 3	SORTER 4	TOTAL	
WORK HOURS		10.0 hr	10.0	hr	10.0 hr	10.0 hr	40.0	,
SORTER AVAILABLE HOURS		9.3 hr	9.3	hr	0.0 hr	0.0 hr	18.7	hr
SORTER START-UP		06:30	06:30		NA	NA		
START SOIL PROCESSING		06:38	06:38		NA	NA		
TIME REQUIRED TO START-	-UP	0.1 hr	0.1	hr	0.0 hr	0.0 hr	0.3	рı
SORTER SHUT-DOWN		16:20	16:20		NA	NA		
END SOIL PROCESSING		16:09	16:10		NA	NA		
TIME REQUIRED TO SHUT D	OWN	0.2 hr	0.2	hr	0.0 hr	0.0 hr	0.3	hr
ACTUAL PROCESS HOURS		8.3 hr	8.2	hr	0.0 hr	0.0 hr	16.5	hr
DOWN-TIME		1.0 hr	1.1	hr	0.0 hr	0.0 hr	2.1	hr
SYSTEM PAUSE		1.2 hr	1.3	hr	0.0 hr	0.0 hr	2.6	hr
SORTER NONAVAILABLE TIM	ME	0.7 hr	0.7	hr	10.0 hr	10.0 hr	21.3	hr
AUTHORIZED DELAY TIME		0.0 hr	0.0	hr	10.0 hr	10.0 hr	20.0	hr
PLANT PERFORMANCE							88.6%	
PRODUCTIVTY							41.3%	
PRODUCTIVITY								
Date	1	7-Aug-94		Excu	ised Delays for d	ay (sorter–hrs)	20	hr
Contract day (from 6 Sep)		285		Excu	ised delays for co	ontract (sorter-hrs)	5,132	hr
Current Contract week		48		Excu	ısed delay days (plant-days)	128	days
				Excu	ised delay month	s (plant-month)	4.94	months
Soil production for Day		159 M	r					
Cumlative Soil Production for We	ek	446 M	L	Perc	ent of contract co	ompleted	56.7%	
Total Soil production for contract				Tons	Ahead or Behir	nd Schedule	1,722	MT
Since 6 Sep 93		55,140 M	Γ	Days	s ahead or behind	d schedule	5.4	days
Since 6 Aug 93		56,731 M	r					
Total Soil production for project		83,018 M	r					

SOR	TER 1							17-Aug-94		
00=		ORTER SOIL	DENSITY	1.20 t	ons/m³		BACKGROUN	-	0.70	± 0.03 c/s
SOIL	•					MINATED			TOTA	
	MASS TO					tons	55.2 to		79.6 1	ions
	MAXIMUN				53.1	_	53.1 k	_		
	MINIMUM				0.7	•	43.1 k		(21.	
		IN-GROUNI RECOVERY (T±CI EAN	19.3	69.4%	43.8 ye	a ³	63.1 y	yas
ACTI	VITY	RECOVERT	CLIMINITO	TTGLEN	''	03.470	Dichi	ERSED + PART	TCLE	·
AÇII	VIII				PAR	TICLE	HOT	ERSED + PAR I	CLEAN	
	TOTAL				96,010		32,228 ki	Ro	13,811	r Ro
	MAXIMUN	M/SORT			3,652	•	1,264 k	•	20 1	•
	MINIMUM	-				kBq	0 B	•	-31	•
	SPECIFIC	ACTIVITY					1,324 B	•		Bq/kg
SORT	rs									
	20-SEC PF	ROCESS PERI	ODS				1,499		UNEXP	PAUSE
	A	LL 80 ELEM	ENTS SORT (MD>0&N	IND=0)	423			TIME	TIME
		IONE (AD=0		•		299			06:40	06:35
		•			ND <mndmax< td=""><td>) 777</td><td></td><td></td><td>07:36</td><td>10:48</td></mndmax<>) 777			07:36	10:48
	τ	INEXPLAINE			0				07:47	13:16
			<ad<1kbq< td=""><td></td><td>5</td><td></td><td></td><td></td><td>08:51</td><td>15:11</td></ad<1kbq<>		5				08:51	15:11
			D=0 & MD>		0				13:54	
	2_550.00		.D<0 & MD :	>0	0		14.000			
		UNT PERIOD -SEC RECOI		ORTS		4,435	14,990			
	_	-SEC RECOR				10,555				
					20-s PERIODS		5,934			
		ESSING REC				•	15			
		RT DETECTO								
	_	DET		68.75%		5 DET	17	0.38%		
	_	DET	1,034	23.31%		6 DET	0	0.00%		
		DET	273	6.16%		7 DET	1	0.02%		
		DET TIME BETW	62 EEN 2_SEC	1.40%	9.8	8 DET	0	0.00%		
FREC		Y DISTRI			7.0	SEC				
	TE SORTS	DISTRI	ACT ND	NUM	SDEC 4	FREQ%	ACT D	NITINA		FREQ%
DET		FREO%	(Bq)	(#)	(Bq/kg)	FREQ%	ACT_P (kBq)	NUM (#)		FREQ%
1	65	2.9%	-14000	0	-264	0.0%	(KDQ) 4	106		2.4%
2	293	13.2%	-12000	1	-226	0.1%	8	2,100		47.4%
3	367	16.5%	-10000	3	-188	0.3%	12	770		17.4%
4	378	17.0%	-8000	6	-151	0.6%	16	431		9.7%
5	421	18.9%	-6000	4	-113	0.4%	20	219		4.9%
6	267	12.0%	-4000	0	-75	0.0%	24	134		3.0%
7	331	14.9%	-2000	1	-38	0.1%	28	102		2.3%
8	102	4.6%	0	0	0	0.0%	32	85		1.9%
TOTAL	2,224		2000	4	38	0.4%	36	64		1.4%
2-GAT	ESORTS		4000 6000	12 37	75 113	1.1% 3.4%	40 44	49		1.1%
DET	SORTS	FREQ%	8000	92	151	3.4% 8.4%	44	33 32		0.7% 0.7%
9	182	8.2%	10000	127	188	11.7%	52	22		0.5%
10	334	15.1%	12000	169	226	15.5%	56	26		0.6%
11	383	17.3%	14000	175	264	16.1%	60	13		0.3%
12	378	17.1%	16000	195	301	17.9%	. 64	21		0.5%
13	387	17.5%	18000	161	339	14.8%	68	16		0.4%
14	311	14.1%	20000	99	377	9.1%	72	16		0.4%
15	236	10.7%	22000	4	414	0.4%	76	14		0.3%
TOTAL	2,211		24000	0	452	0.0%	80	8		0.2%
			26000	0	490	0.0%	84	9		0.2%
			>28000 _	0	0	0.0%	>84	165		3.7%
And 1800	THE PROPERTY OF		TOTAL	1,090			TOTAL	4,435		
EVENT'	IYPES	HPE	4,283	MPE	1,468	DISE	30,931			

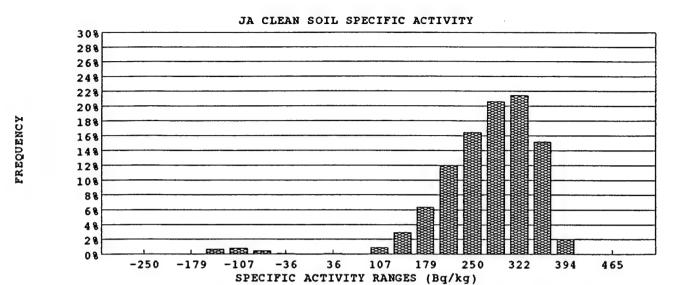


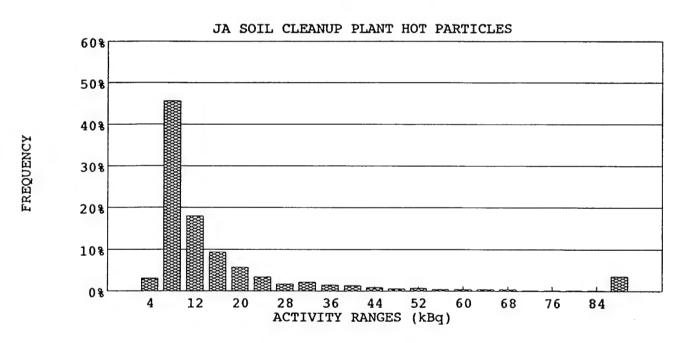


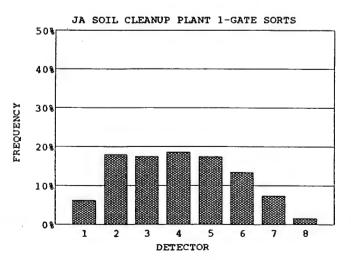


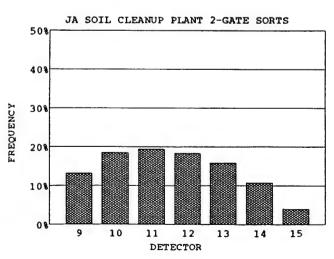


SOR	TER 2			**************************************			1	7-Aug-94		
	S	ORTER SOIL	DENSITY	1.20 t	ons/m³		BACKGROUND		0.78 :	± 0.04 c/s
SOIL	,				CONTAI	MINATED	CLEAN		TOTA	T
	MASS TO	ΓAL			34.3	tons	44.8 tons	5	79.1 t	ons
	MAXIMU	M/SORT			55.9	kg	55.9 kg			
	MINIMUM	•			0.7	•	44.7 kg			
		IN-GROUNI			27.2	•	35.5 yd³		62.7 y	rd³
1 000		RECOVERY (CLEAN/(HO	T+CLEAN))	56.6%				
ACII	IVITY							RSED + PART		
						TICLE	нот		CLEAN	
	TOTAL	ASODT			114,101	•	41,941 kBq		12,634 1	_
	MAXIMUM MINIMUM	-			2,690	kBq	1,062 kBq 0 Bq		21) -10)	_
	SPECIFIC				2	KDQ	1,223 Bq/	ko		свод Bq/kg
SORT										
		ROCESS PERI	IODS		•		1,477		UNEXP	PAUSE
		LL 80 ELEMI		MD>0&M	(ND=0)	609	2,***		TIME	TIME
		IONE (AD=0	•			239			08:04	06:35
	S	OME (AD>0	&0 <md<mn< td=""><td>IDmax&MI</td><td>ND<mndmax< td=""><td>1,119</td><td></td><td></td><td>08:25</td><td>10:47</td></mndmax<></td></md<mn<>	IDmax&MI	ND <mndmax< td=""><td>1,119</td><td></td><td></td><td>08:25</td><td>10:47</td></mndmax<>	1,119			08:25	10:47
	ι	JNEXPLAINE			(490)				09:42	13:16
			<ad<1kbq< td=""><td></td><td>4</td><td></td><td></td><td></td><td>09:48</td><td>15:05</td></ad<1kbq<>		4				09:48	15:05
			D=0 & MD>		1				10:02	
	2 00000	-	\D<0 & MD :	>0	0		4.4.550			
		UNT PERIOD -SEC RECO	_	AD TS		5,011	14,770			
		-SEC RECO				9,759				
					0-s PERIODS		6,488			
		ESSING REC	•			′)	16			
		RTDETECTO	•	,	,					
	1	DET	3,467	69.19%		5 DET	19	0.38%		
	2	DET	1,179	23.53%		6 DET	0	0.00%		
		DET	285	5.69%		7 DET	0	0.00%		
		DET	61	1.22%		8 DET	0	0.00%		
CDEC		TIME BETW			8.5	sec				
	-	y distri								
	TE SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
	SORTS	FREQ% 6.2%	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#)		
1 2	154 443	18.0%	-14000 -12000	0	-250 -215	0.0%	4	157		3.1%
3		17.5%	-10000	0	-213 -179	0.0% 0.0%	8 12	2,287 899		45.6% 17.9%
4	458	18.6%	-8000	6	-143	0.7%	16	470		9.4%
5		17.4%	-6000	7	-107	0.8%	20	286		5.7%
6	330	13.4%	-4000	4	-72	0.5%	24	172		3.4%
7		7.3%	-2000	1	-36	0.1%	28	86		1.7%
8	39	1.6%	0	0	0	0.0%	32	111		2.2%
TOTAL	2,466		2000	1	36	0.1%	36	76		1.5%
	T 0000		4000	0	72	0.0%	40	65		1.3%
	TE SORTS	rnrow	6000	8	107	0.9%	44	43		0.9%
DET 9	SORTS 334	FREQ% 13.1%	8000 10000	26 56	143	2.9%	48	27		0.5%
10		18.5%	12000	36 106	179 215	6.3% 12.0%	52 56	37 19		0.7% 0.4%
11	495	19.4%	14000	145	250	16.4%	60	19		0.4%
12	466	18.3%	16000	182	286	20.6%	64	21		0.4%
13	403	15.8%	18000	189	322	21.4%	68	21		0.4%
14	273	10.7%	20000	134	358	15.2%	72	8		0.2%
15	102	4.0%	22000	18	394	2.0%	76	7		0.1%
TOTAL	2,545		24000	0	429	0.0%	80	11		0.2%
			26000	0	465	0.0%	84	9		0.2%
			>28000 _	0	0	0.0%	>84	180		3.6%
			TOTAL	883			TOTAL	5,011		
EVENT'	TYPES	HPE	4,747	MPE	1,919	DISE	44,460			







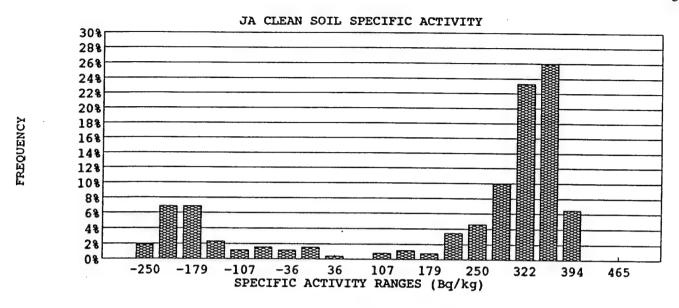


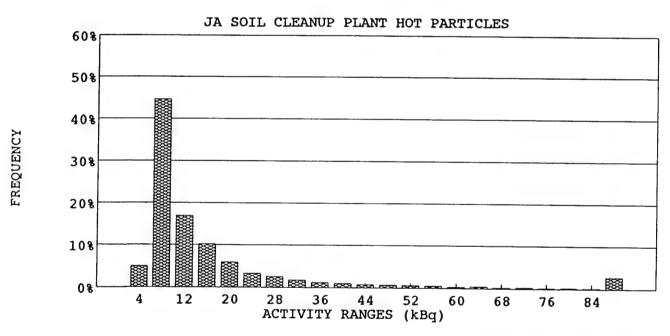
WORK HISTORY - JA SOIL CLEANUP PLANT

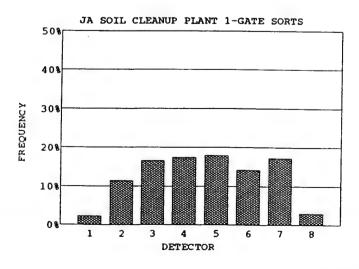
18-Aug-94

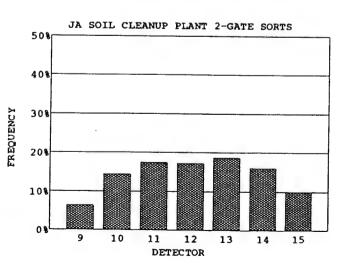
WORK DAY START	06:00 AM		WORK DA	Y END		16:30 PM	
LUNCH START	11:00 AM		TIME LOS	r duri	NG LUNCH	0.5 HR	
		SORTER 1	SORTER	2 5	SORTER 3	SORTER 4	TOTAL
							(sorter hours)
WORK HOURS		10.0 hr	10.0	hr	10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOUR	S	9.7 hr	9.7	hr	0.0 hr	0.0 hr	19.3 hr
SORTER START-UP		06:15	06:15		NA	NA	
START SOIL PROCESSING		06:35	06:35		NA	NA	
TIME REQUIRED TO START	-UP	0.3 hr	0.3	hr	0.0 hr	0.0 hr	0.7 hr
SORTER SHUT-DOWN		16:25	16:25		NA	NA	
END SOIL PROCESSING		16:19	16:19		NA	NA	
TIME REQUIRED TO SHUT I	OOWN	0.1 hr	0.1	hr	0.0 hr	0.0 hr	0.2 hr
ACTUAL PROCESS HOURS		7.7 hr	7.7	hr	0.0 hr	0.0 hr	15.4 hr
DOWN-TIME		2.0 hr	2.0	hг	0.0 hr	0.0 hr	4.0 hr
SYSTEM PAUSE		1.9 hr	1.9	hr	0.0 hr	0.0 hr	3.7 hr
SORTER NONAVAILABLE T	ME	0.3 hr	0.3	hr	10.0 hr	10.0 hr	20.7 hr
AUTHORIZED DELAY TIME		0.0 hr	0.0	hr	10.0 hr	10.0 hr	20.0 hr
PLANT PERFORMANCE							79.5%
PRODUCTIVTY							38.4%
PRODUCTIVITY							
Date	18	3-Aug-94		Excused	Delays for da	ay (sorter-hrs)	20 hr
Contract day (from 6 Sep)		286		Excused	delays for co	ntract (sorter-hrs)	5,152 hr
Current Contract week		48		Excused	delay days (p	lant – days)	129 days
				Excused	delay months	(plant-month)	4.95 months
Soil production for Day		155 MT					
Cumlative Soil Production for We	ek	601 MT		Percent	of contract co	mpleted	56.9%
Total Soil production for contract				Tons Ah	ead or Behin	d Schedule	1,719 MT
Since 6 Sep 93		55,295 MT		Days aho	ad or behind	schedule	5.4 days
Since 6 Aug 93	3	56,886 MT					
Total Soil production for project		83,172 MT	•				

ER 1						18-	Aug-94	
	RTER SOIL	DENSITY	1.20 ton	s/m³	BA	ACKGROUND	0	0.75 ± 0.04 c/s
				CONTAM	INATED	CLEAN		OTAL
AASS TOTA	AL.					11.1 tons	7	7.1 tons
								•
					_			1.1 yd³
			TO EAN)			8.6 yu		11.1 yu-
	ECOVERTIC	LEAN(IIO)	TOLINY		14.470	DISPERSE	D + PARTICI	P .
/11 1				PART	ICLE			EAN
TAT							3.	304 kBq
	SORT			•	•	2,348 kBq		21 kBq
					-	0 Bq	-	-12 kBq
PECIFIC A	CTIVITY					2,306 Bq/kg		297 Bq/kg
S								
20-SEC PR	OCESS PERIO	ODS				1,381		EXP PAUSE
		•		ID=0)	•			
					12		Nor	
								09:19 10:10
U								10:10
		•		_				12:41
				_				13:31
-SEC COI			3	J		13,810		14:52
			ORTS		18,212	,		14:54
_					(4,402)			14:55
TOTAL PRO	OCESS RECO	RDS (2-s SC	ORTS and 20	-s PERIODS	5)	19,593		15:11
		•	calibration, e	etc)		47		16:04
					4 D.D.	014	1 100	
		•				_		
						-		
						-	0.0270	
			NUM	SPEC A	FREQ%	ACT P	NUM	FREQ%
SORTS	FREQ%	_	(#)	(Bq/kg)		(kBq)	(#)	
205	2.2%	-14000	5	-250	1.9%	4	920	5.1%
1,049	11.4%	-12000	18	-215	6.9%	8	8,131	44.6%
1,523	16.6%	-10000	18	-179	6.9%	12	3,072	16.9%
1,599	17.4%	-8000	6	-143	2.3%			10.2%
1,645	17.9%		3					5.9%
								3.3% 2.5%
								1.8%
	3.0%							1.3%
3,130								1.0%
ESORTS		6000	2	107	0.8%	44	148	0.8%
SORTS	FREQ%	8000	3	143	1.1%	48	125	0.7%
576	6.4%	10000	2	179	0.8%	52	111	0.6%
1,299	14.4%	12000	9	215	3.4%	56	104	0.6%
1,570	17.4%	14000	12	250				0.3%
1,551								0.4%
-								0.3%
1,444	16.0%	20000	68	358	26.0%	72 76	55	0.3%
896	9.9%	22000	17	394 429	6.5%	76 80	36	0.2% 0.2%
			0	470	0.0%	80	44	U.270
9,022		24000						
		26000	0	465	0.0%	84	37	0.2%
					0.0%			
	MAXIMUM MINIMUM/ VOLUME II VOLUME II VEIGHT RI VITY FOTAL MAXIMUM MINIMUM/ SPECIFIC A S 20-SEC PR AI NO SCO 2-SEC SOR 10 21 31 41 AVERAGE VUENCY E SORTS SORTS 205 1,049 1,523 1,599 1,588 272 9,190 E SORTS SORTS 576 1,299 1,570	WEIGHT RECOVERY (C) /ITY FOTAL MAXIMUM/SORT MINIMUM/SORT SPECIFIC ACTIVITY SO O-SEC PROCESS PERIO ALL 80 ELEME NONE (AD=0 & SOME (AD>0 & UNEXPLAINE) Q-SEC RECOR 2-SEC RECOR TOTAL PROCESS RECOR NONPROCESSING RECOR 2-SEC SORT DETECTO 1 DET 2 DET 3 DET 4 DET 4 DET AVERAGE TIME BETW OUENCY DISTRI E SORTS SORTS SORTS FREQ% 205 2.2% 1,049 11.4% 1,523 16.6% 1,599 17.4% 1,599 17.4% 1,645 17.9% 1,309 14.2% 1,588 17.3% 272 9,190 E SORTS SORTS FREQ% 576 6.4% 1,299 14.4% 1,570 17.4% 1,551 17.2%	MAXIMUM/SORT MINIMUM/SORT VOLUME IN – GROUND WEIGHT RECOVERY (CLEAN/(HOT /TTY TOTAL MAXIMUM/SORT MINIMUM/SORT SPECIFIC ACTIVITY S 20 – SEC PROCESS PERIODS ALL 80 ELEMENTS SORT (INCOME AND SOME (AD = 0 & MD =	MAXIMUM/SORT MINIMUM/SORT VOLUME IN – GROUND WEIGHT RECOVERY (CLEAN/(HOT+CLEAN)) /TTY FOTAL MAXIMUM/SORT MINIMUM/SORT SPECIFIC ACTIVITY S 20 – SEC PROCESS PERIODS ALL 80 ELEMENTS SORT (MD>0&MN NONE (AD=0 & MD=0 & MND>0) SOME (AD>0&0 <md<mndmax&mn! &="" 0="" <="" ad<1kbq="" md="" records="" unexplained="">0 AD=0 & MD>0 AD=0 & MD>0 AD=0 & MD>0 2 – SEC RECORDS WITH SORTS 2 – SEC RECORDS WITHOUT SORTS FOTAL PROCESS RECORDS (2-s SORTS and 20 NONPROCESSING RECORDS (Test, calibration, 6) 2 – SEC SORT DETECTORS 1 DET 10,704 58.77% 2 DET 4,973 27.31% 3 DET 1,753 9.63% 4 DET 568 3.12% AVERAGE TIME BETWEEN 2 – SEC SORTS **UENCY DISTRIBUTIONS** E SORTS ACT_ND NUM SORTS FREQ% (Bq) (#) 205 2.2% -14000 5 1,049 11.4% -12000 18 1,523 16.6% -10000 19 1,570 17.4% -8000 6 1,645 17.9% -6000 3 1,309 14.2% -4000 4 1,588 17.3% -2000 3 272 3.0% 0 4 9,190 2000 1 4000 0 ESORTS FREQ% 8000 3 576 6.4% 10000 2 1,299 14.4% 12000 9 1,570 17.4% 14000 12 1,551 17.2% 16000 26 1,686 18.7% 18000 61</md<mndmax&mn!>	MASS TOTAL MAXIMUM/SORT MINIMUM/SORT MEIGHT RECOVERY (CLEAN/(HOT+CLEAN)) MEIGHT RECOVERY (CLEAN/(HOT+CLEAN)) MEIGHT RECOVERY (CLEAN/(HOT+CLEAN)) MAXIMUM/SORT SPECIFIC ACTIVITY SO O-SEC PROCESS PERIODS ALL 80 ELEMENTS SORT (MD>0&MND=0) NONE (AD=0 & MD=0 & MND>0) SOME (AD>0&MD=0 & MND>0) SOME (AD>0&MD=0 & MND>0) SOME (AD>0&MD=0 & MD=0 & MND=0) NONE (AD=0 & MD=0 & MD=0 & MND=0) AD=0 & MD>0 AD=0 & MD>0 AD=0 & MD>0 O AD=0 & MD>0 D=SEC COUNT PERIODS 2-SEC RECORDS WITH SORTS 1 DET 10,704 58.77% 2 DET 4,973 27.31% 3 DET 1,753 9.63% 4 DET 568 3.12% AVERAGE TIME BETWEEN 2-SEC SORTS SORTS FREQ% (Bq) (#) (Bq/kg) 205 2.2% -14000 5 -250 1,049 11.4% -12000 18 -215 1,523 16.6% -10000 18 -179 1,599 17.4% -8000 6 -143 1,645 17.9% -6000 3 -107 1,309 14.2% -4000 4 -72 1,588 17.3% -2000 3 -36 272 3.0% 0 4 0 576 6.4% 10000 2 179 1,570 17.4% 14000 12 250 1,551 17.2% 16000 26 286 1,686 18.7% 18000 61 322	MAXIMUM/SORT	MAXS TOTAL MAXIMUM/SORT MAX	### AASS TOTAL ### AAXIMUMSORT

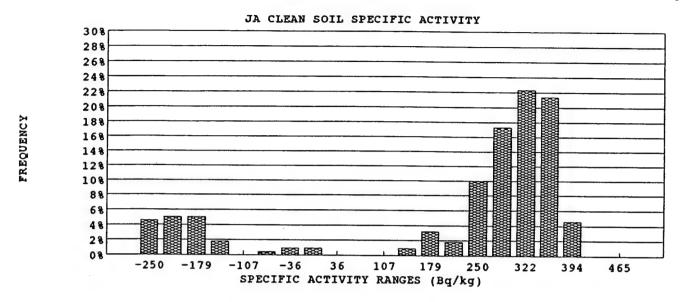


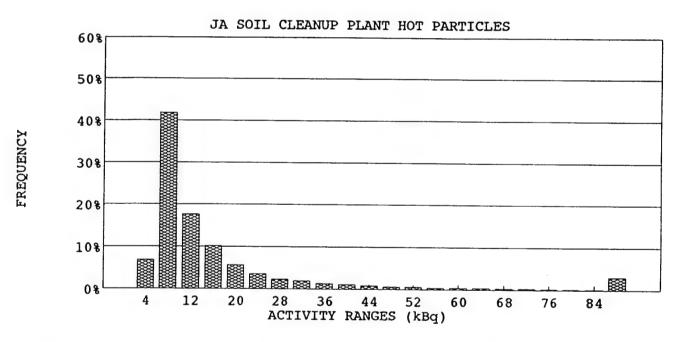


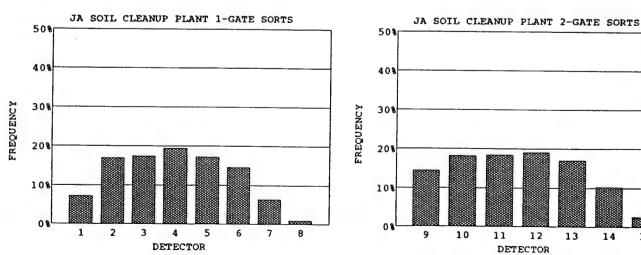




SORT	ER 2						18	3-Aug-94		
	S	SORTER SOIL	DENSITY	1.20 to	ns/m³	E	BACKGROUND	-	0.84 ±	0.03 c/s
SOIL					CONTAN	MINATED	CLEAN		TOTAL	L
	MASS TO	ΓAL			68.1	tons	9.5 tons		77.5 to	ons
	MAXIMU	M/SORT			58.1	kg	55.9 kg			
	MINIMUM				0.7	_	31.4 kg			
		IN-GROUND			54.0	•	7.5 yd ³		61.5 yc	jo
		RECOVERY (C	CLEAN/(HO	T+CLEAN))	12.2%				
ACTI	VITY						DISPER	SED + PARTIC	CLE	
					PART	TICLE	HOT	C	LEAN	
	TOTAL	•			459,799	•	184,300 kBq		2,882 k	Bq
	MAXIMUI				18,166	•	7,681 kBq		22 ki	-
	MINIMUM				2	kBq	0 Bq		-11 ki	-
		ACTIVITY					2,707 Bq/k	g	305 B	q/kg
SORT										
		ROCESS PERIO		N. 0			1,387		NEXP	
		ALL 80 ELEME	•		ND=0)	1,203			IME	TIME
		NONE (AD=0 & SOME (AD>0&			D~MMD	11		N	one	07:49
		OME (AD>U& INEXPLAINEI			D <mndmax<sub>1</mndmax<sub>) 1/2				08:18 09:18
	,		<ad<1kbq< td=""><td></td><td>0</td><td></td><td></td><td></td><td></td><td>10:10</td></ad<1kbq<>		0					10:10
			D=0 & MD>		0					11:00
			D<0 & MD:		0					12:41
	2-SEC CC	UNT PERIOD		, -	Ü		13,870			13:31
		-SEC RECOR		ORTS		20,082				15:11
	2	-SEC RECOR	DS WITHO	UT SORTS		(6,212)				15:12
	TOTAL PR	OCESS RECO	RDS (2-s S	ORTS and 2	0-s PERIODS		21,469			16:07
	NONPRO	CESSING REC	ORDS (Test,	calibration,	etc)		36			
	2-SEC SO	RT DETECTO	RS							
		DET	11,712	58.32%		5 DET	227	1.13%		
		DET	5,539	27.58%		6 DET	0	0.00%		
		DET	1,994	9.93%		7 DET	7	0.03%		
		I DET E TIME BETWI	610 EEN 2 SEC	3.04%		8 DET	0	0.00%		
					2.3	sec				
		Y DISTRI								
1	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	4.500	(kBq)	(#)		
1	726	7.2%	-14000	10	-250	4.5%	4	1,367		6.8%
2	1,704	16.9% 17.4%	-12000	11	-215 170	5.0%	8	8,377 3,520		41.7%
3	1,756 1,953	17.4%	-10000 -8000	11 4	-179 -143	5.0% 1.8%	12 16	3,529 2,034		17.6% 10.1%
5	1,728	17.2%	-6000	0	-143 -107	0.0%	20	1,138		5.7%
6	1,467	14.6%	-4000	1	-72	0.5%	24	725		3.6%
7	643	6.4%	-2000	2	-36	0.9%	28	475		2.4%
8	90	0.9%	0	2	0	0.9%	32	388		1.9%
TOTAL	10,067		2000	0	36	0.0%	36	267		1.3%
			4000	0	72	0.0%	40	224		1.1%
2-GAT	ESORTS		6000	0	107	0.0%	44	179		0.9%
DET	SORTS	FREQ%	8000	.2	143	0.9%	48	136		0.7%
9	1,444	14.4%	10000	7	179	3.2%	52	130		0.6%
10	1,822	18.2%	12000	4	215	1.8%	56	82		0.4%
11	1,849	18.5%	14000	22	250	10.0%	60	80		0.4%
12	1,910	19.1%	16000	38	286	17.3%	64	79		0.4%
13	1,700	17.0%	18000	49	322	22.3%	68	69		0.3%
14 15	1,027	10.3%	20000	47	358	21.4%	72 76	69		0.3%
TOTAL	10,015	2.6%	22000 24000	10 0	394 429	4.5% 0.0%	76 80	47 44		0.2% 0.2%
IOIAL	10,01.9		26000	0	465	0.0%	84	38		0.2%
			>28000	0	403	0.0%	>84 >84			
			TOTAL	220	U	0.0%	TOTAL	20,082		3.0%
EN AUGUSTON	Times	*****			22.24	Dice		20,002		
EVENT	IYPES	HPE	17,223	MPE	23,344	DISE	56,860			

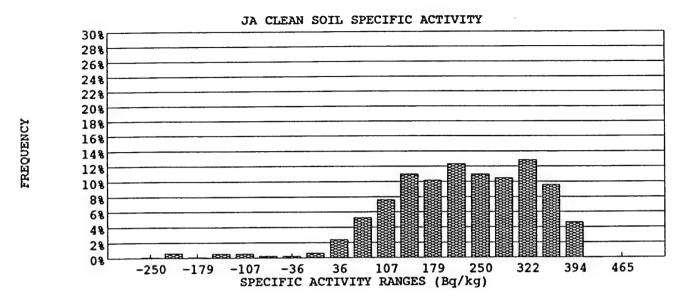


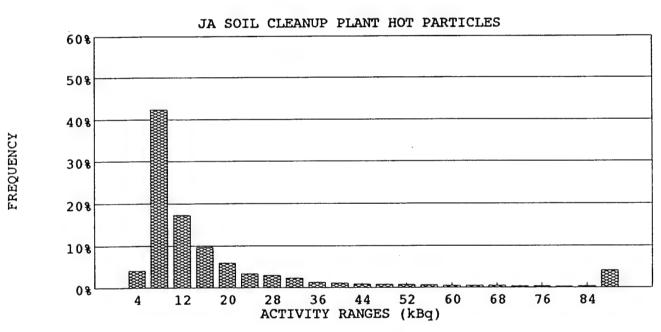


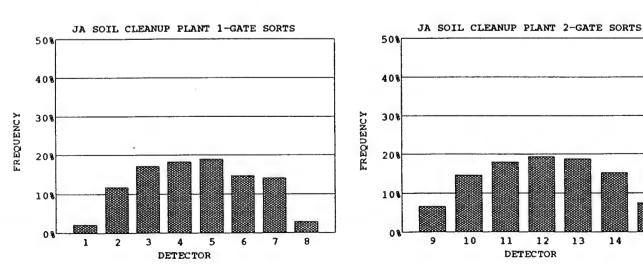


WORK DAY START LUNCH START	06:00 AM 11:00 AM		WORK DA		NG LUNCH	16:30 PM 0.0 HR		
	SOR	TER 1	SORTER	2 :	SORTER 3	SORTER 4	TOTAL	
							(sorter hours))
WORK HOURS		10.5 hr	10.5	hr	10.5 hr	10.5 hr	42.0 hr	
SORTER AVAILABLE HOURS	5	10.0 hr	10.0	hr	0.0 hr	0.0 hr	20.0 hr	
SORTER START-UP		06:20	06:20		NA	NA		
START SOIL PROCESSING		06:53	06:54		NA	NA		
TIME REQUIRED TO START	-UP	0.6 hr	0.6	hr	0.0 hr	0.0 hr	1.1 hr	
SORTER SHUT-DOWN		16:20	16:20		NA	NA		
END SOIL PROCESSING		16:12	16:12		NA	NA		
TIME REQUIRED TO SHUT D	OWN	0.1 hr	0.1	hr	0.0 hr	0.0 hr	0.2 hr	
ACTUAL PROCESS HOURS		8.8 hr	8.7	hr	0.0 hr	0.0 hr	17.5 hr	
DOWN-TIME		1.2 hr	1.3	hr	0.0 hr	0.0 hr	2.5 hr	
SYSTEM PAUSE		0.4 hr	0.5	hr	0.0 hr	0.0 hr	0.8 hr	
SORTER NONAVAILABLE TI	ME	0.5 hr	0.5	hr	10.0 hr	10.0 hr	21.0 hr	
AUTHORIZED DELAY TIME		0.0 hr	0.0	hr	10.0 hr	10.0 hr	20.0 hr	
PLANT PERFORMANCE							87.5%	
PRODUCTIVTY							41.7%	
PRODUCTIVITY								
Date	19-Au	g-94		Excused	d Delays for da	ny (sorter – hrs)	20 hr	
Contract day (from 6 Sep)		287		Excused	delays for co	ntract (sorter-hrs)	5,172 hr	
Current Contract week		48		Excused	d delay days (p	lant – days)	129 days	
				Excused	delay months	(plant-month)	4.97 mont	hs
Soil production for Day		176 MT	•					
Cumlative Soil Production for We	ek	777 MT	•	Percent	of contract co	mpleted	57.1%	
Total Soil production for contract				Tons Al	head or Behind	d Schedule	1,736 MT	
Since 6 Sep 93	5:	5,471 MT	•	Days ah	ead or behind	schedule	5.5 days	
Since 6 Aug 93	5	7,062 MT	•					
Total Soil production for project	83	3,349 MT	•					

	TER 1							Aug-94		
0077		ORTER SOIL	DENSITY	1.20 to			BACKGROUND		0.72 :	
SOIL	•					MINATED	CLEAN		TOTA	
	MASS TOT					tons	52.0 tons		88.5 t	ons
	MAXIMUN				55.9 0.7		55.9 kg			
	MINIMUM	/SOK I IN-GROUNI	D		29.0	_	44.7 kg 41.2 yd ³		70.2 y	/d3
			CLEAN/(HO	T+CLEAN)		58.7%	41.2 ya		70.2 9	
ACTI	VITY						DISPERSE	D + PAR	ПСLE	
					PART	TICLE	нот		CLEAN	
	TOTAL				189,209	kBq	70,598 kBq		11,222 k	ιBq
	MAXIMUN	A/SORT			4,154		1,816 kBq		22 k	-
	MINIMUM				2	kBq	0 Bq		-9 k	•
	SPECIFICA	ACTIVITY				· · · · · · · · · · · · · · · · · · ·	1,932 Bq/kg		216 I	Bq/kg
SORT	ΓS									
		OCESS PER					1,584		UNEXP	PAUSE
			ENTS SORT	•	$\sqrt{D}=0$	624			TIME	TIME
			& MD=0 & N			305			06:59	07:56
		•			D <mndmax< td=""><td>655</td><td></td><td></td><td></td><td></td></mndmax<>	655				
	U		ED RECORDS		0					
			<ad<1kbq &="" <ad="0" md=""></ad<1kbq>		1 0					
			AD<0 & MD:		0					
	2-SEC CO	UNT PERIOI		-0	U		15,840			
			RDS WITH S	ORTS		8,013				
	2.	-SEC RECO	RDS WITHO	UT SORTS		7,827				
					-s PERIODS	5)	9,597			
			ORDS (Test,	calibration, e	etc)		14			
		RTDETECTO								
		DET	•	62.00%		5 DET	64	0.80%		
		DET	,	26.52% 8.36%		6 DET	0	0.00%		
		DET DET	670 186	2.32%		7 DET 8 DET	3	0.04% 0.00%		
			EEN 2-SEC		6.6		Ü	0.0070		
		-	BUTION							
	TE SORTS		ACT_ND	NUM	SPEC_A	FREO%	ACT_P	NUM		FREQ%
		FREQ%	(Bq)	(#)	(Bq/kg)	INLQ	(kBq)	(#)		IKLQ
1	85	2.1%	-14000	1	-250	0.1%	4	328		4.1%
2	465	11.7%	-12000	6	-215	0.6%	8	3,400		42.4%
3	681	17.2%	-10000	1	-179	0.1%	12	1,383		17.3%
	724	18.3%	-8000	5				777		
4	7.40				-143	0.5%	16			9.7%
5	749	18.9%	-6000	5	-107	0.5%	20	474		5.9%
5 6	584	14.8%	-6000 -4000	5 2	-107 -72	0.5% 0.2%	20 24	474 266		5.9% 3.3%
5 6 7	584 558	14.8% 14.1%	-6000 -4000 -2000	5 2 2	-107 -72 -36	0.5% 0.2% 0.2%	20 24 28	474 266 234		5.9% 3.3% 2.9%
5 6 7 8	584 558 112	14.8%	-6000 -4000 -2000 0	5 2 2 6	-107 -72 -36 0	0.5% 0.2% 0.2% 0.6%	20 24 28 32	474 266 234 188		5.9% 3.3% 2.9% 2.3%
5 6 7	584 558	14.8% 14.1%	-6000 -4000 -2000 0 2000	5 2 2 6 23	-107 -72 -36 0 36	0.5% 0.2% 0.2% 0.6% 2.4%	20 24 28 32 36	474 266 234 188 109		5.9% 3.3% 2.9% 2.3% 1.4%
5 6 7 8 TOTAL	584 558 112 3,958	14.8% 14.1%	-6000 -4000 -2000 0 2000 4000	5 2 2 6 23 51	-107 -72 -36 0 36 72	0.5% 0.2% 0.2% 0.6% 2.4% 5.2%	20 24 28 32 36 40	474 266 234 188 109 90		5.9% 3.3% 2.9% 2.3% 1.4% 1.1%
5 6 7 8 TOTAL	584 558 112	14.8% 14.1%	-6000 -4000 -2000 0 2000	5 2 2 6 23 51 74	-107 -72 -36 0 36 72 107	0.5% 0.2% 0.2% 0.6% 2.4% 5.2% 7.6%	20 24 28 32 36 40 44	474 266 234 188 109 90 67		5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8%
5 6 7 8 TOTAL 2-GAT	584 558 112 3,958	14.8% 14.1% 2.8%	-6000 -4000 -2000 0 2000 4000 6000	5 2 2 6 23 51	-107 -72 -36 0 36 72	0.5% 0.2% 0.2% 0.6% 2.4% 5.2%	20 24 28 32 36 40	474 266 234 188 109 90		5.9% 3.3% 2.9% 2.3% 1.4% 1.1%
5 6 7 8 TOTAL 2-GAT DET	584 558 112 3,958 TE SORTS SORTS	14.8% 14.1% 2.8% FREQ%	-6000 -4000 -2000 0 2000 4000 6000 8000	5 2 2 6 23 51 74 107	-107 -72 -36 0 36 72 107	0.5% 0.2% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0%	20 24 28 32 36 40 44	474 266 234 188 109 90 67 62		5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8% 0.8%
5 6 7 8 FOTAL 2-GAT DET 9 10	584 558 112 3,958 TE SORTS SORTS 270 592 731	14.8% 14.1% 2.8% FREQ% 6.7%	-6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000	5 2 2 6 23 51 74 107	-107 -72 -36 0 36 72 107 143	0.5% 0.2% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0%	20 24 28 32 36 40 44 48 52	474 266 234 188 109 90 67 62 56		5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8% 0.8% 0.7%
5 6 7 8 FOTAL 2-GAT DET 9 10 11	584 558 112 3,958 TE SORTS SORTS 270 592 731 783	14.8% 14.1% 2.8% FREQ% 6.7% 14.6% 18.0% 19.3%	-6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000	5 2 2 6 23 51 74 107 99 120 107 102	-107 -72 -36 0 36 72 107 143 179 215 250 286	0.5% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0% 10.2% 12.3% 11.0% 10.5%	20 24 28 32 36 40 44 48 52 56 60 64	474 266 234 188 109 90 67 62 56 51 35		5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8% 0.7% 0.6% 0.4% 0.4%
5 6 7 8 FOTAL 2-GAT DET 9 10 11 12 13	584 558 112 3,958 TE SORTS SORTS 270 592 731 783 760	14.8% 14.1% 2.8% FREQ% 6.7% 14.6% 18.0% 19.3% 18.7%	-6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000	5 2 2 6 23 51 74 107 99 120 107 102 125	-107 -72 -36 0 36 72 107 143 179 215 250 286 322	0.5% 0.2% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0% 10.2% 12.3% 11.0% 10.5% 12.8%	20 24 28 32 36 40 44 48 52 56 60 64	474 266 234 188 109 90 67 62 56 51 35 36		5.9% 3.3% 2.9% 2.3% 1.4% 0.8% 0.7% 0.6% 0.4% 0.4%
5 6 7 8 FOTAL 2-GAT DET 9 10 11 12 13	584 558 112 3,958 TE SORTS SORTS 270 592 731 783 760 617	14.8% 14.1% 2.8% FREQ% 6.7% 14.6% 18.0% 19.3% 18.7% 15.2%	-6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000	5 2 2 6 23 51 74 107 99 120 107 102 125 93	-107 -72 -36 0 36 72 107 143 179 215 250 286 322 358	0.5% 0.2% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0% 10.2% 12.3% 11.0% 10.5% 12.8% 9.5%	20 24 28 32 36 40 44 48 52 56 60 64 68 72	474 266 234 188 109 90 67 62 56 51 35 36 36		5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8% 0.7% 0.6% 0.4% 0.4% 0.4% 0.3%
5 6 7 8 FOTAL 2-GAT DET 9 10 11 12 13 14	584 558 112 3,958 TE SORTS SORTS 270 592 731 783 760 617 302	14.8% 14.1% 2.8% FREQ% 6.7% 14.6% 18.0% 19.3% 18.7%	-6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000	5 2 2 6 23 51 74 107 99 120 107 102 125 93 45	-107 -72 -36 0 36 72 107 143 179 215 250 286 322 358 394	0.5% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0% 10.2% 12.3% 11.0% 10.5% 12.8% 9.5% 4.6%	20 24 28 32 36 40 44 48 52 56 60 64 68 72	474 266 234 188 109 90 67 62 56 51 35 36 24 23		5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8% 0.7% 0.6% 0.4% 0.4% 0.4% 0.3%
5 6 7 8 FOTAL 2-GAT DET 9 10 11 12 13 14	584 558 112 3,958 TE SORTS SORTS 270 592 731 783 760 617	14.8% 14.1% 2.8% FREQ% 6.7% 14.6% 18.0% 19.3% 18.7% 15.2%	-6000 -4000 -2000 0 2000 4000 6000 8000 12000 14000 16000 18000 20000 22000	5 2 6 23 51 74 107 99 120 107 102 125 93 45 0	-107 -72 -36 0 36 72 107 143 179 215 250 286 322 358 394 429	0.5% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0% 10.2% 12.3% 11.0% 10.5% 12.8% 9.5% 4.6% 0.0%	20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	474 266 234 188 109 90 67 62 56 51 35 36 24 23 19		5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8% 0.7% 0.6% 0.4% 0.4% 0.3% 0.3% 0.3%
5 6 7 8 FOTAL 2-GAT DET 9 10 11 12 13	584 558 112 3,958 TE SORTS SORTS 270 592 731 783 760 617 302	14.8% 14.1% 2.8% FREQ% 6.7% 14.6% 18.0% 19.3% 18.7% 15.2%	-6000 -4000 -2000 0 2000 4000 6000 8000 12000 14000 16000 18000 22000 24000 26000	5 2 2 6 23 51 74 107 99 120 107 102 125 93 45 0	-107 -72 -36 0 36 72 107 143 179 215 250 286 322 358 394 429 465	0.5% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0% 10.2% 12.3% 11.0% 10.5% 12.8% 9.5% 4.6% 0.0%	20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84	474 266 234 188 109 90 67 62 56 51 35 36 24 23 19		5.9% 3.3% 2.9% 2.3% 1.4% 0.8% 0.7% 0.6% 0.4% 0.4% 0.3% 0.3% 0.2% 0.3%
5 6 7 8 FOTAL 2-GAT DET 9 10 11 12 13 14	584 558 112 3,958 TE SORTS SORTS 270 592 731 783 760 617 302	14.8% 14.1% 2.8% FREQ% 6.7% 14.6% 18.0% 19.3% 18.7% 15.2%	-6000 -4000 -2000 0 2000 4000 6000 8000 12000 14000 16000 18000 20000 22000	5 2 6 23 51 74 107 99 120 107 102 125 93 45 0	-107 -72 -36 0 36 72 107 143 179 215 250 286 322 358 394 429	0.5% 0.2% 0.6% 2.4% 5.2% 7.6% 11.0% 10.2% 12.3% 11.0% 10.5% 12.8% 9.5% 4.6% 0.0%	20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	474 266 234 188 109 90 67 62 56 51 35 36 24 23 19	_	5.9% 3.3% 2.9% 2.3% 1.4% 1.1% 0.8% 0.7% 0.6% 0.4% 0.4% 0.3% 0.3% 0.3%

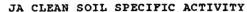


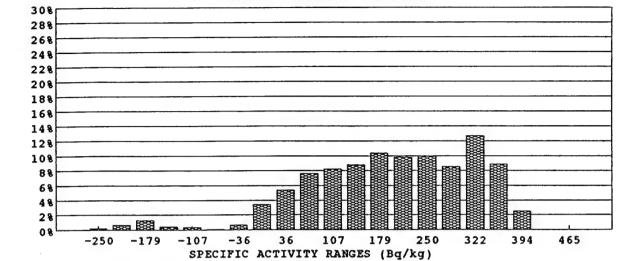




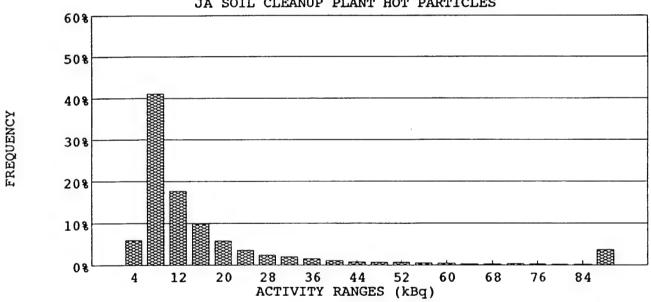
SOR	TER 2						19-	-Aug-94		
		SORTER SOIL	DENSITY	1.20 to	ons/m³		BACKGROUND		0.81	± 0.02 c/s
SOIL					CONTA	MINATED	CLEAN		TOTA	AL.
	MASS TO	TAL			41.0	tons	46.6 tons		87.6	tons
	MAXIMU	JM/SORT			58.1	kg	55.9 kg			
	MINIMU	M/SORT			0.7	kg	44.0 kg			
	VOLUMI	EIN-GROUNI	D		32.5	yd³	37.0 yd3		69.4	yd³
		RECOVERY (CLEAN/(HO	T+CLEAN))	53.3%				
ACT	IVITY						DISPERS	ED + PART	TCLE	
					PAR'	TICLE	HOT		CLEAN	
	TOTAL				210,747	•	80,926 kBq		8,783	kBq
	MAXIMU	JM/SORT			5,694	•	2,494 kBq		21	kBq
	MINIMU	· ·			2	kBq	(24,804)Bq		-14	_
0075		CACTIVITY					1,976 Bq/kg		188 1	Bq/kg
SORT	18									
		PROCESS PER					1,567		UNEXP	PAUSE
		ALL 80 ELEM			ND=0)	701			TIME	TIME
		NONE (AD=0				246			13:47	07:56
		SOME (AD>0				•			13:49	13:47
		UNEXPLAINE			0				14:32	12:07
			<ad<1kbq< td=""><td></td><td>3</td><td></td><td></td><td></td><td>16:12</td><td>12:50</td></ad<1kbq<>		3				16:12	12:50
			AD=0 & MD>		0					16:11
	0 0000		\D<0 & MD :	>0	1		15 (00			
		OUNT PERIOD		arac.		0.505	15,670			
		2-SEC RECO				9,525				
		2-SEC RECO			o a BERIOD	6,145	11.002			
		ROCESS RECO	•			3)	11,092			
		CESSING REC		vanoration,	cw)		10			
		DET	5.812	61.02%		5 DET	91	0.96%		
		2 DET	2,547			6 DET	0	0.96%		
		3 DET	820	8.61%		7 DET	6	0.06%		
		4 DET	255	2.68%		8 DET	1	0.01%		
		E TIME BETW	EEN 2-SEC		5.4	sec	-	0.0270		
FREC	DUENC	Y DISTRI	BUTION	IS						
	TE SORTS		ACT_ND	NUM	SPEC A	FREQ%	ACT P	NUM		FREO%
DET		FREQ%	(Bq)	(#)	(Bq/kg)	I REQ/U	(kBq)	(#)		INDQN
1	326	6.8%	-14000	2	-250	0.2%	4	571		6.0%
2	842	17.6%	-12000	6	-215		8	3,909		41.0%
3	826	17.3%	-10000	11	-179	1.3%	12	1,684		17.7%
4	843	17.6%	-8000	4	-143	0.5%	16	940		9.9%
5	801	16.8%	-6000	3	-107	0.3%	20	554		5.8%
6	696	14.6%	-4000	1	-72	0.1%	24	341		3.6%
7	384	8.0%	-2000	6	-36	0.7%	28	228		2.4%
8	60	1.3%	0	30	0	3.4%	32	193		2.0%
TOTAL	4,778		2000	47	36	5.4%	36	154		1.6%
			4000	67	72	7.6%	40	108		1.1%
	ESORTS		6000	72	107	8.2%	44	74		0.8%
DET	SORTS	FREQ%	8000	77	143	8.8%	48	73		0.8%
9	674	14.2%	10000	91	179	10.4%	52	65		0.7%
10	879	18.5%	12000	86	215	9.8%	56	52		0.5%
11	877	18.5%	14000	87	250	9.9%	60	44		0.5%
12	832	17.5%	16000	75	286	8.6%	64	32		0.3%
13	800	16.9%	18000	111	322	12.7%	68	30		0.3%
14	538	11.3%	20000	78	358	8.9%	72	37		0.4%
15	147	3.1%	22000	22	394	2.5%	76	30		0.3%
TOTAL	4,747		24000	0	429	0.0%	80	24		0.3%
			26000	0	465	0.0%	84	24		0.3%
			>28000 _	0	0	0.0%	>84	358		3.8%
			TOTAL	876			TOTAL	9,525		
EVENT	TYPES	HPE	8,498	MPE	7,981	DISE	42,122			

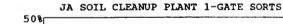
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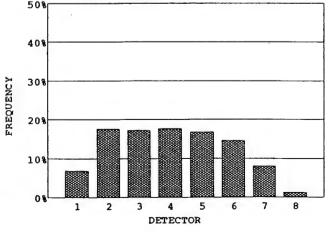




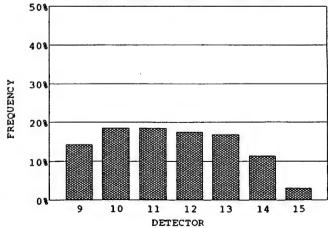
JA SOIL CLEANUP PLANT HOT PARTICLES







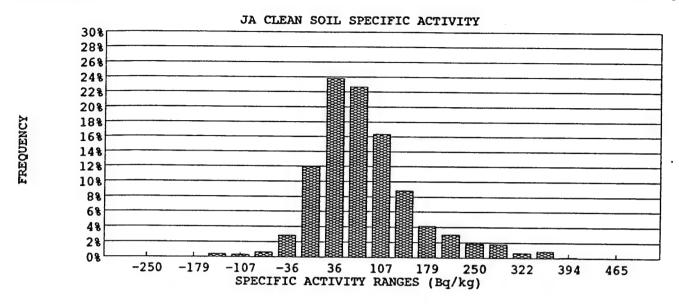
JA SOIL CLEANUP PLANT 2-GATE SORTS

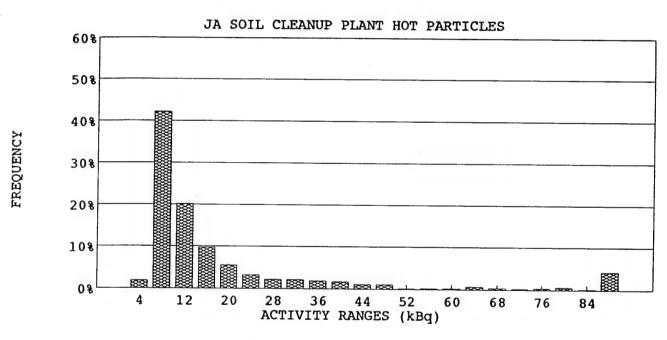


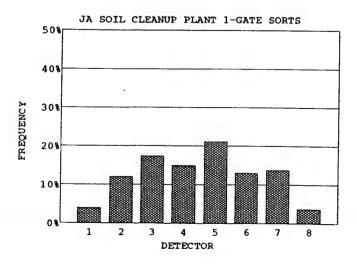
20-Aug-94

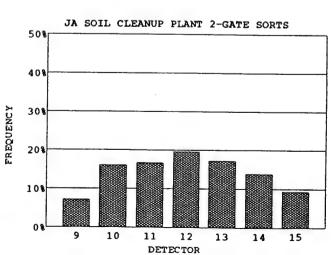
NOTE SORTER SOR	WORK DAY START	06:00 AM	I	WORK DAY	END	16:30 PM	
WORK HOURS		11:00 AM	1	TIMELOST	URING LUNCH	0.5 HR	
WORK HOURS			SORTER 1	SORTER 2	SORTER 3	SORTER 4	
SORTER START - UP 06:20 06:20 08:10 08:10 START SOIL PROCESSING 06:26 06:26 08:19 08:19 TIME REQUIRED TO START - UP 0.1 hr 0.1 hr 0.2 hr 0.2 hr 0.5 hr SORTER SHUT-DOWN 14:30 09:10 09:10 10 10 END SOIL PROCESSING 14:15 14:11 09:06 09:02 11 END SOIL PROCESS HOURS 6.9 hr 0.8 hr 0.1 hr 0.1 hr 0.7 hr 0.7 hr 15:3 hr DOWN-TIME 0.7 hr 0.9 hr 0.8 hr 0.7 hr 15:3 hr 11 hr 15:3 hr 2.1 hr 2.1 hr 2.2 hr 0.3 hr 2.1 hr 2.1 hr 2.2 hr 0.3 hr 2.2 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr <	WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	,
START SOIL PROCESSING 06:26 06:26 08:19 08:19 TIME REQUIRED TO START—UP 0.1 hr 0.1 hr 0.2 hr 0.2 hr 0.5 hr SORTER SHUT—DOWN 14:30 14:30 09:10 09:10 09:10 END SOIL PROCESSING 14:15 14:11 09:06 09:02 09:02 TIME REQUIRED TO SHUT DOWN 0.2 hr 0.3 hr 0.1 hr 0.1 hr 0.7 hr ACTUAL PROCESS HOURS 6.9 hr 6.8 hr 0.8 hr 0.7 hr 15.3 hr DOWN—TIME 0.7 hr 0.9 hr 0.9 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr 1.8 hr SYSTEM PAUSE 0.9 hr 0.9 hr 0.0 hr 9.0 hr 9.0 hr 22.7 hr AUTHORIZED DELAY TIME 0.0 hr 0.0 hr 9.0 hr 9.0 hr 18.0 hr PRODUCTIVITY 20-Aug—94 Excused Delays for day (sorter—hrs) 5.190 hr 18 hr Contract day (from 6 Sep) 288 Excused delay say (plant—days) 130 days Excused delay months (plant—month) 4.99 months<	SORTER AVAILABLE HO	URS	7.7 hr	7.7 hr	1.0 hr	1.0 hr	17.3 hr
TIME REQUIRED TO START—UP 0.1 hr 0.1 hr 0.2 hr 0.2 hr 0.5 hr SORTER SHUT—DOWN 14:30 14:30 09:10 09:10 09:10 END SOIL PROCESSING 14:15 14:11 09:06 09:02 09:02 TIME REQUIRED TO SHUT DOWN 0.2 hr 0.3 hr 0.1 hr 0.1 hr 0.7 hr ACTUAL PROCESS HOURS 6.9 hr 6.8 hr 0.8 hr 0.7 hr 15.3 hr DOWN—TIME 0.7 hr 0.9 hr 0.2 hr 0.3 hr 0.1 hr 0.1 hr SYSTEM PAUSE 0.9 hr 0.9 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr 1.8 hr SORTER NONAVAILABLE TIME 2.3 hr 2.3 hr 9.0 hr 9.0 hr 22.7 hr AUTHORIZED DELAY TIME 0.0 hr 0.0 hr 9.0 hr 9.0 hr 18.0 hr PRODUCTIVITY Date 20-Aug—94 Excused Delays for day (sorter—hrs) 5,190 hr Current Contract week 48 Excused delay days (plant—days) 130 days Excused Delay	SORTER START-UP		06:20	06:20	08:10	08:10	
SORTER SHUT-DOWN 14:30 14:30 09:10 09:10 Percent of contract completed 14:15 14:11 09:06 09:02 14:15 14:11 09:06 09:02 14:15 14:11 09:06 09:02 14:15 14:11 09:06 09:02 15:02 15:02 15:02 16:02 14:15 14:11 09:06 09:02 15:02 16:02	START SOIL PROCESSING	3	06:26	06:26	08:19	08:19	
END SOIL PROCESSING 14:15 14:11 09:06 09:02 TIME REQUIRED TO SHUT DOWN 0.2 hr 0.3 hr 0.1 hr 0.1 hr 0.7 hr ACTUAL PROCESS HOURS 6.9 hr 6.8 hr 0.8 hr 0.7 hr 15:3 hr DOWN-TIME 0.7 hr 0.9 hr 0.9 hr 0.9 hr 0.0 hr 0.0 hr 1.8 hr SORTER NONAVAILABLE TIME 2.3 hr AUTHORIZED DELAY TIME 0.0 hr TIME REQUIRED TO STA	RT-UP	0.1 hr	0.1 hr	0.2 hr	0.2 hr	0.5 hr	
TIME REQUIRED TO SHUT DOWN 0.2 hr 0.3 hr 0.1 hr 0.1 hr 0.7 hr ACTUAL PROCESS HOURS 6.9 hr 6.8 hr 0.8 hr 0.7 hr 15.3 hr DOWN-TIME 0.7 hr 0.9 hr 0.9 hr 0.9 hr 0.0 hr 0.0 hr 1.8 hr SORTER NONAVAILABLE TIME 2.3 hr AUTHORIZED DELAY TIME 0.0 hr 0.0 hr 0.0 hr 0.0 hr 9.0 hr 9.0 hr 18.0 hr PLANT PERFORMANCE PRODUCTIVTY Date 20-Aug-94 Excused Delays for day (sorter-hrs) Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) Current Contract week 48 Excused delay for contract (sorter-hrs) Soil production for Day 155 MT Cumlative Soil Production for Week 932 MT Percent of contract completed 57.2% Total Soil production for contract Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	SORTER SHUT-DOWN		14:30	14:30	09:10	09:10	
ACTUAL PROCESS HOURS 6.9 hr 6.8 hr 0.8 hr 0.7 hr 153 hr DOWN-TIME 0.7 hr 0.9 hr 0.9 hr 0.0 hr 0.0 hr 1.8 hr SORTER NONAVAILABLE TIME 2.3 hr AUTHORIZED DELAY TIME 0.0 hr PLANT PERFORMANCE PRODUCTIVITY Date 20-Aug-94 Excused Delays for day (sorter-hrs) Current Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) Current Contract week 48 Excused delays for contract (sorter-hrs) Soil production for Day 155 MT Cumlative Soil Production for Week 70 Aug-94 Percent of contract completed 57.2% Tons Ahead or Behind Schedule 1,717 MT Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	END SOIL PROCESSING		14:15	14:11	09:06	09:02	
DOWN-TIME	TIME REQUIRED TO SHU	JT DOWN	0.2 hr	0.3 hr	0.1 hr	0.1 hr	0.7 hr
SYSTEM PAUSE O.9 hr O.9 hr O.0 hr O.	ACTUAL PROCESS HOUR	ts.	6.9 hr	6.8 hr	0.8 hr	0.7 hr	15.3 hr
SORTER NONAVAILABLE TIME 2.3 hr 4.0 hr 9.0 hr 9.0 hr 9.0 hr 18.0 hr 18.0 hr 18.1 hr 18.1 hr 18.0 hr	DOWN-TIME		0.7 hr	0.9 hr	0.2 hr	0.3 hr	2.1 hr
AUTHORIZED DELAY TIME 0.0 hr 0.0 hr 9.0 hr 9.0 hr 18.0 hr PLANT PERFORMANCE 88.1% PRODUCTIVITY 38.2% PRODUCTIVITY Date 20-Aug-94 Excused Delays for day (sorter-hrs) 18 hr Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) 5,190 hr Current Contract week 48 Excused delay days (plant-days) 130 days Excused delay months (plant-month) 4.99 months Soil production for Day 155 MT Cumlative Soil Production for Week 932 MT Percent of contract completed 57.2% Total Soil production for contract Tons Ahead or Behind Schedule 1,717 MT Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	SYSTEM PAUSE		0.9 hr	0.9 hr	0.0 hr	0.0 hr	1.8 hr
PLANT PERFORMANCE PRODUCTIVITY Date 20-Aug-94 Excused Delays for day (sorter-hrs) 18 hr Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) 5,190 hr Current Contract week 48 Excused delay days (plant-days) 130 days Excused delay months (plant-month) 4.99 months Soil production for Day Cumlative Soil Production for Week 932 MT Percent of contract completed Total Soil production for contract Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	SORTER NONAVAILABLI	ЕТІМЕ	2.3 hr	2.3 hr	9.0 hr	9.0 hr	22.7 hr
PRODUCTIVITY Date 20-Aug-94 Excused Delays for day (sorter-hrs) 18 hr Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) 5,190 hr Current Contract week 48 Excused delay days (plant-days) 130 days Excused delay months (plant-month) 4.99 months Soil production for Day 155 MT Cumlative Soil Production for Week 932 MT Percent of contract completed 57.2% Total Soil production for contract Tons Ahead or Behind Schedule 1,717 MT Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	AUTHORIZED DELAY TI	ME	0.0 hr	0.0 hr	9.0 hr	9.0 hr	18.0 hr
PRODUCTIVITY Date 20-Aug-94 Excused Delays for day (sorter-hrs) 18 hr Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) 5,190 hr Current Contract week 48 Excused delay days (plant-days) 130 days Excused delay months (plant-month) 4.99 months Soil production for Day 155 MT Cumlative Soil Production for Week 932 MT Percent of contract completed 57.2% Total Soil production for contract Tons Ahead or Behind Schedule 1,717 MT Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	PLANT PERFORMANCE						88.1%
Date 20-Aug-94 Excused Delays for day (sorter-hrs) 18 hr Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) 5,190 hr Current Contract week 48 Excused delay days (plant-days) 130 days Excused delay months (plant-month) 4.99 months Soil production for Day 155 MT Cumlative Soil Production for Week 932 MT Percent of contract completed 57.2% Total Soil production for contract Tons Ahead or Behind Schedule 1,717 MT Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	PRODUCTIVTY						38.2%
Contract day (from 6 Sep) 288 Excused delays for contract (sorter-hrs) 5,190 hr Current Contract week 48 Excused delay days (plant-days) Excused delay months (plant-month) 4.99 months Soil production for Day Cumlative Soil Production for Week 701 Total Soil production for contract Since 6 Sep 93 55,626 MT Days ahead or behind schedule 57.24 Days ahead or behind schedule 5.4 days 5.5 days 5.7,217 MT	PRODUCTIVITY						
Current Contract week 48 Excused delay days (plant – days) Excused delay months (plant – month) Soil production for Day Cumlative Soil Production for Week 732 MT Percent of contract completed Tons Ahead or Behind Schedule Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	Date	2	0-Aug-94	Ex	cused Delays for d	ay (sorter-hrs)	18 hr
Excused delay months (plant-month) Soil production for Day Cumlative Soil Production for Week Total Soil production for contract Since 6 Sep 93 Since 6 Aug 93 Total Soil production for Contract Since 6 Aug 93 Excused delay months (plant-month) Percent of contract completed 57.2% Tons Ahead or Behind Schedule 1,717 MT Days ahead or behind schedule 5.4 days	Contract day (from 6 Sep)		288	Ex	cused delays for co	entract (sorter-hrs)	5,190 hr
Soil production for Day Cumlative Soil Production for Week Total Soil production for contract Since 6 Sep 93 Since 6 Aug 93 Total Soil production for contract Since 6 Aug 93 Total Soil production for contract Since 6 Sep 93 Since 6 Aug 93	Current Contract week		48	Ex	cused delay days (p	olant – days)	130 days
Cumlative Soil Production for Week 932 MT Percent of contract completed 57.2% Total Soil production for contract Tons Ahead or Behind Schedule 1,717 MT Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT				Ex	cused delay month	s (plant-month)	4.99 months
Total Soil production for contract Since 6 Sep 93 Since 6 Aug 93 55,626 MT Days ahead or behind schedule 5.4 days 57,217 MT	Soil production for Day		155 M7	٢			
Since 6 Sep 93 55,626 MT Days ahead or behind schedule 5.4 days Since 6 Aug 93 57,217 MT	Cumlative Soil Production for	Week	932 MT	Pe Pe	rcent of contract co	ompleted	57.2%
Since 6 Aug 93 57,217 MT	Total Soil production for cont	tract		To	ns Ahead or Behin	d Schedule	1,717 MT
	Since 6 Sep	p 93	55,626 MT	Da	ys ahead or behind	l schedule	5.4 days
Total Soil production for project 83,503 MT	Since 6 Au	g 93	57,217 MT				
	Total Soil production for proj	ect	83,503 MT	•			

SORTI	ER 1							Aug-94	
	SO	RTER SOIL I	DENSITY	1.20 tons			ACKGROUND		70 ± 0.03 c
SOIL					CONTAM	INATED	CLEAN	TO	OTAL
λ	MASS TOTA	AL.			0.8 t		69.0 tons	69	0.8 tons
N	MAXIMUM	SORT			55.9 1	-	55.9 kg		
	MUMININ				0.7 1	-	48.9 kg	-	
		1-GROUND			0.7 y		54.7 yd ³	53	5.3 yd ³
		ECOVERY (C	LEAN/(HOT	(+CLEAN)		98.8%			
ACTIV	/ITY						DISPERSEL	+ PARTICLE	
					PART	ICLE	HOT	CLE.	AN
7	TOTAL				31,461 1	kBq	6,549 kBq	4,5	42 kBq
λ	MUMIXAN	SORT			6,039 1	kBq	2,426 kBq		20 kBq
N	MINIMUM/	SORT			3 1	kBq	0 Bq		-6 kBq
S	SPECIFIC A	CTIVITY					7,904 Bq/kg		66 Bq/kg
SORT	S								
		OCESS PERIO	DDS				1,249	UNE	EXP PAUSE
•		L 80 ELEME		MD>0&MN	D=0)	3		TIM	Е ПМЕ
		ONE (AD=0 &				871		10:	:05 11:03
		ME (AD>0&			<mndmax)< td=""><td></td><td></td><td>10:</td><td>:43</td></mndmax)<>			10:	:43
		NEXPLAINE			o′			12:	:48
			AD<1kBq &		3				
			D=0 & MD>		0				
		A	D<0 & MD	>0	0				
2	SEC COL	INTPERIOD					12,490		
	2-	-SEC RECOR	DS WITH SO	ORTS		825			
	2-	SEC RECOR	DS WITHOU	UTSORTS		11,665			
7	TOTAL PRO	OCESS RECO	RDS (2-s S	ORTS and 20-	-s PERIODS	5)	2,074		
1	NONPROC	ESSING REC	ORDS (Test,	calibration, et	c)		13		
2	2-SEC SOR	TDETECTO	RS						
	11	DET	580	70.30%		5 DET	3	0.36%	
	21	DET	191	23.15%		6 DET	0	0.00%	
	31	DET	39	4.73%		7 DET	0	0.00%	
		DET	12	1.45%		8 DET	0	0.00%	
		TIME BETW			43.1	sec			
FREQ	UENCY	DISTRI	BUTION	1S					
1-GAT	E SORTS		ACT_ND	NUM .	SPEC_A	FREQ%	ACT_P	NUM	FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)	
1	16	3.9%	-14000	0	-250	0.0%	4	15	1.8%
2	49	12.0%	-12000	0	-215	0.0%	8	348	42.2%
3	71	17.4%	-10000	0	-179	0.0%	12	166	20.1%
4	61	15.0%	-8000	5	-143	0.4%	16	80	9.7%
5	86	21.1%	-6000	4	-107	0.3%	20	46	5.6%
6	53	13.0%	-4000	8	-72	0.6%	24	27	3.3%
7	56	13.8%	-2000	36	-36	2.9%	28	18	2.2%
8	15	3.7%	0	150	0	11.9%	32	18	2.2%
TOTAL	407		2000	299	36	23.7%	36	15	1.8%
			4000	285	72	22.6%	40	14	1.7%
	ESORTS		6000	206	107	16.4%	44	9	1.1%
	SORTS	FREQ%	8000	111	143	8.8%	48	9	1.1%
9	30	7.2%	10000	52	179	4.1%	52	1	0.1%
10	67	16.0%	12000	38	215	3.0%	56	2	0.2%
11	70	16.7%	14000	23	250	1.8%	60	2	0.2%
12	82	19.6%	16000	22	286	1.7%	64	6	0.7%
13	72	17.2%	18000	8	322	0.6%	68	3	0.4%
14	58	13.9%	20000	11	358	0.9%	72	2	0.2%
15	39	9.3%	22000	1	394	0.1%	76	3	0.4%
TOTAL	418		24000	0	429	0.0%	80	5	0.6%
			26000	0	465	0.0%	84	1	0.1%
			>28000	0	0	0.0%	>84	35	4.2%
			TOTAL	1,259			TOTAL	825	
		HPE	831	MPE	124	DISE	229		

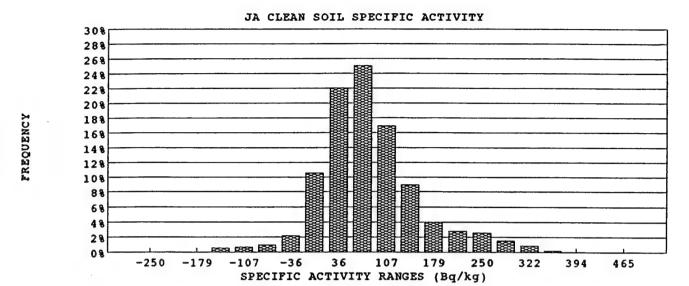


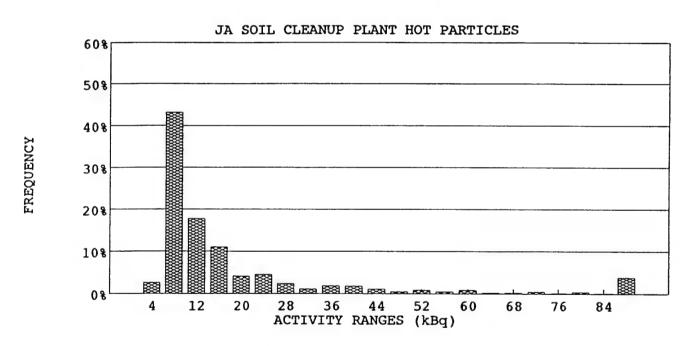


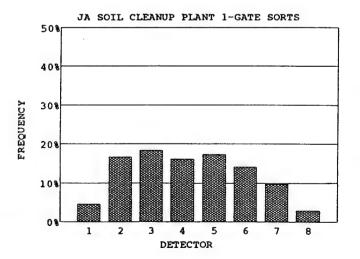


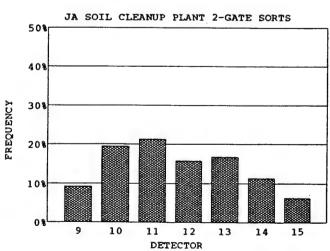


SOR	TER 2							20-Aug-94		
		ORTER SOIL	DENSITY	1.20 to	ons/m³	1	BACKGROUN	-	0.77 :	± 0.02 c/s
SOIL	,				CONTA	MINATED	CLEA	N	TOTA	AL.
	MASS TO	TAL			0.8	tons	67.7 t	ons	68.5 1	ons
	MAXIMU	M/SORT			55.9	kg	55.9 1	rg .		
	MINIMUM	I/SORT			0.7	kg	48.9 k	g		
	VOLUME	IN-GROUNI	D		0.6	yd³	53.7 y	∕d³	54.3 y	/d³
		RECOVERY (CLEAN/(HO	T+CLEAN))	98.9%				
ACTI	IVITY						DISP	ERSED + PART	TCLE	
					PAR'	TICLE	HOT		CLEAN	
	TOTAL				19,770	kBq	4,272 k	æВq	4,558)	кВq
	MAXIMUN				1,236	•	633 k	:Bq	20)	kBq
1	MINIMUM				3	kBq	0 H	•	-73	-
COD	SPECIFIC.	ACTIVITY			·		5,525 I	3q/kg	67 I	3q/kg
SORT										
		ROCESS PERI					1,225			PAUSE
		LL 80 ELEMI			ND=0)	2			TIME	TIME
		IONE (AD=0			m	842			06:45	06:32
		•			ID <mndmax< td=""><td>) 381</td><td></td><td></td><td>08:54</td><td>11:02</td></mndmax<>) 381			08:54	11:02
		NEXPLAINE			0				09:26	
			<ad<1kbq &<br="">AD=0 & MD></ad<1kbq>		3 0					
			D<0& MD:		0					
	2-SEC CO	UNTPERIOR		· ·	U		12,250			
		-SEC RECOR		ORTS		790	الاستونة ا			
		-SEC RECOR				11,460				
	TOTAL PR	OCESS RECO	ORDS (2-s SC	ORTS and 2	0-s PERIODS	,	2,015			
		ESSING REC				•	20			
	2-SEC SO	RT DETECTO	ORS							
		DET	589	74.56%		5 DET	3	0.38%		
		DET	169	21.39%		6 DET	0	0.00%		
		DET	26	3.29%		7 DET	1	0.13%		
		DET	3	0.38%		8 DET	0	0.00%		
EDEC		TIME BETW			41.6	sec				
	_	Y DISTRI								
	TE SORTS		ACT_ND	NUM	-	FREQ%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	19	4.6%	-14000	0	-250	0.0%	4	21		2.7%
2		16.6%	-12000	1	-215	0.1%	8	341		43.2%
3	75 66	18.3% 16.1%	-10000 -8000	0 7	-179 143	0.0%	12	140		17.7%
5		17.4%	-6000 -6000	9	-143 -107	0.6% 0.7%	16 20	87		11.0%
6		14.2%	-4000	12	-107 -72	1.0%	20	33 36		4.2%
7		9.8%	-2000	27	-72 -36	2.2%	28	30 19		4.6% 2.4%
8	12	2.9%	0	131	-30	10.5%	32	9		1.1%
TOTAL	409	2,0	2000	274	36	22.0%	36	15		1.9%
			4000	311	72	25.0%	40	14		1.8%
2-GA7	TE SORTS		6000	210	107	16.9%	44	9		1.1%
DET		FREQ%	8000	111	143	8.9%	48	4		0.5%
9		9.2%	10000	49	179	3.9%	52	7		0.9%
10		19.4%	12000	35	215	2.8%	56	4		0.5%
11		21.3%	14000	32	250	2.6%	60	7		0.9%
12		15.7%	16000	19	286	1.5%	64.	2		0.3%
13		16.8%	18000	11	322	0.9%	68	2		0.3%
14		11.3%	20000	3	358	0.2%	72	4		0.5%
15		6.3%	22000	1	394	0.1%	76	1		0.1%
TOTAL	381		24000	0	429	0.0%	80	3		0.4%
			26000	0	465	0.0%	84	1		0.1%
			>28000 _	0	0	0.0%	>84 _	31		3.9%
			TOTAL	1,243			TOTAL	790		
T77 1775 mm	TYPES	HPE	792	MPE	155	DISE	158			

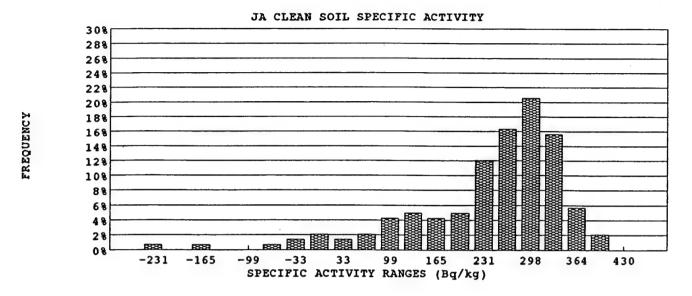


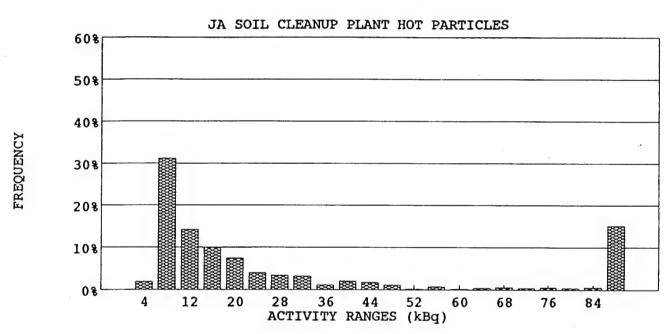


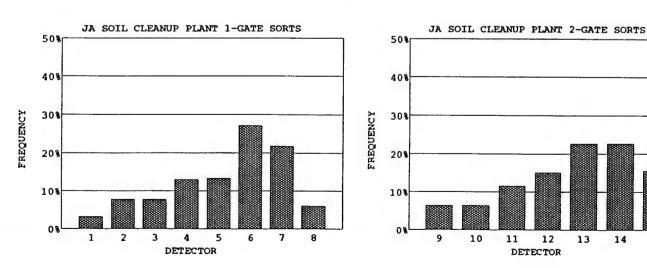




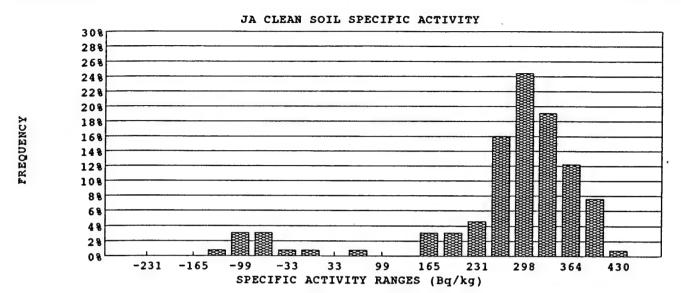
SORI	TER 3							-Aug-94		
COM	S	ORTER SOIL	LDENSITY	1.30 to			BACKGROUND			t 0.11
SOIL						MINATED	CLEAN		TOTA	
	MASS TO					tons	8.1 tons		8.6 1	tons
	MAXIMUI				60.5		60.5 kg			
	MINIMUM				0.8		50.7 kg			
		IN-GROUN				yd³	6.4 yd ³		6.8	yd3
		RECOVERY (CLEAN/(HO	I+CLEAN	0)	93.9%				
ACIT	VITY						DISPERS	ED + PART	TCLE	
					PAR'	UCTE	HOT		CLEAN	
	TOTAL				68,526		13,295 kBq		1,905	c Bq
	MAXIMUI				6,985	kBq	3,224 kBq		23 1	•
	MINIMUM				3	kBq	0 Bq		-11)	кBq
	SPECIFIC	ACTIVITY					25,353 Bq/k	3	236 I	3q/kg
SORT	S									
:	20-SEC PI	ROCESS PER	IODS				142		UNEXP	PAUSE
	P	LL 80 ELEMI	ENTS SORT	MD>0&M	ND=0)	2			TIME	TIME
		IONE (AD=0				27			None	None
	S	OME (AD>0	&0 <md<m< td=""><td>IDmax&MN</td><td>D<mndmax< td=""><td>) 113</td><td></td><td></td><td></td><td></td></mndmax<></td></md<m<>	IDmax&MN	D <mndmax< td=""><td>) 113</td><td></td><td></td><td></td><td></td></mndmax<>) 113				
		NEXPLAINE	ED RECORD	S	0					
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		A	AD=0 & MD>	•0 .	0					
		A	AD<0 & MD	>0	0					
:	2-SEC CO	UNTPERIO	OS				1,420			
	2	-SEC RECO	RDS WITH S	ORTS		536				
		-SEC RECO				884				
		OCESS RECO				5)	678			
		ESSING REC	•	calibration,	etc)		1			
:		RT DETECTO								
	_	DET		58.21%		5 DET	17	3.17%		
		DET	135	25.19%		6 DET	0	0.00%		
		DET	50	9.33%		7 DET	0	0.00%		
		DET	22	4.10%		8 DET	0	0.00%		
		TIME BETW			9.1	sec	w. A.,			
		Y DISTR	IBUTION	1S						
1-GAT	E SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	9	3.2%	-14000	1	-231	0.7%	4	10		1.9%
2	22	7.7%	-12000	0	-198	0.0%	8	167		31.2%
3	22	7.7%	-10000	1	-165	0.7%	12	76		14.2%
4	37	13.0%	-8000	0	-132	0.0%	16	53		9.9%
5	38	13.4%	-6000	0	-99	0.0%	20	40		7.5%
6	77	27.1%	-4000	1	-66	0.7%	24	21		3.9%
7	62	21.8%	-2000	2	-33	1.4%	28	18		3.4%
8 -	17	6.0%	0	3	0	2.1%	32	17		3.2%
OTAL	284		2000	2	33	1.4%	36	6		1.1%
			4000	3	66	2.1%	40	11		2.1%
	ESORTS		6000	6	99	4.3%	44	9		1.7%
	SORTS	FREQ%	8000	7	132	5.0%	48	6		1.1%
9	16	6.3%	10000	6	165	4.3%	52	1		0.2%
10	16	6.3%	12000	7	198	5.0%	56	4		0.7%
11	29	11.5%	14000	17	231	12.1%	60	1		0.2%
12	38	15.1%	16000	23	264	16.3%	64	2		0.4%
13	57	22.6%	18000	29	298	20.6%	68	3		0.6%
14	57	22.6%	20000	22	331	15.6%	72	2		0.4%
15 _	39	15.5%	22000	8	364	5.7%	76	3		0.6%
OTAL	252		24000	3	397	2.1%	80	2		0.4%
			26000	0	430	0.0%	84	3		0.6%
			>28000	0	0	0.0%	>84	81		15.1%
			TOTAL	141			TOTAL	536		
	YPES	HPE	464	MPE	90	DISE	139			

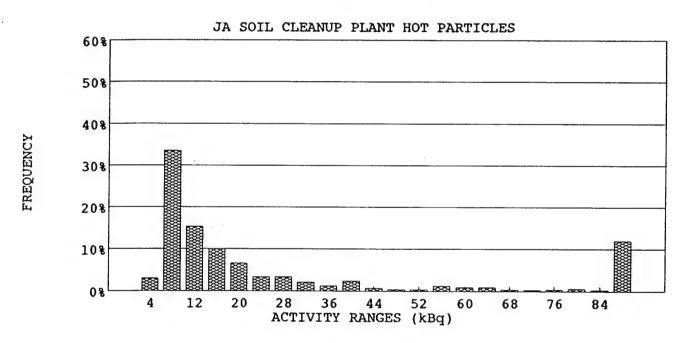


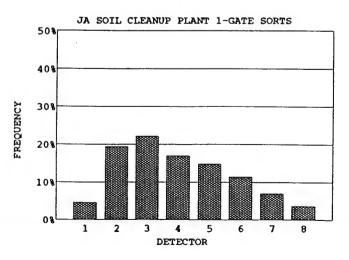


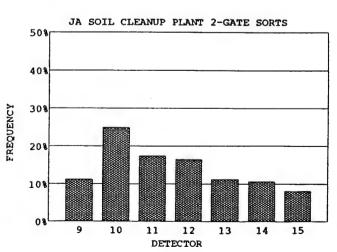


SOKI	TER 4							-Aug-94		
00	S	ORTER SOIL	DENSITY	1.20 to	ons/m³		BACKGROUND		0.67	± 0.05 c
SOIL					CONTAI	MINATED	CLEAN	•	TOTA	AL
	MASS TOT					tons	6.8 tons		8.0	tons
	MAXIMUN				60.5	-	60.5 kg			
	MINIMUM		_		0.8	_	47.7 kg			
		IN-GROUNI				yd³	5.4 yd ³		6.3	yd³
		ECOVERY (CLEAN/(HO	T+CLEAN))	85.5%				
ACTI	VITY						DISPERS	SED + PART	TCLE	
					PAR'	NOLE	HOT		CLEAN	
	TOTAL				79,713	kBq	15,944 kBq		2,093 1	kBq
	MAXIMUN	A/SORT			16,385	kBq	7,203 kBq		25 1	kBq
	MINIMUM				3	kBq	0 Bq			kBq
	SPECIFICA	ACTIVITY					13,761 Bg/k	g	306 1	Bq/kg
SORT	S									
	20-SEC PR	OCESS PERI	IODS				132		UNEXP	PAUSE
	Α	LL 80 ELEMI	ENTS SORT	MD>0&M	ND=0)	12			ПМЕ	TIME
		ONE (AD=0			•	15			None	None
	S	OME (AD>0	&0 <md<m1< td=""><td>IDmax&MN</td><td>ID<mndmax< td=""><td>) 105</td><td></td><td></td><td></td><td></td></mndmax<></td></md<m1<>	IDmax&MN	ID <mndmax< td=""><td>) 105</td><td></td><td></td><td></td><td></td></mndmax<>) 105				
		NEXPLAINE			0					
		0	<ad<1kbq< td=""><td>& MD>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq<>	& MD>0	0					
		A	D=0 & MD:	•0	0					
			D<0 & MD	>0	0					
		UNTPERIOR					1,320			
		-SEC RECOR				651				
		-SEC RECOR				669				
					0-s PERIODS	5)	783			
		ESSING REC	•	calibration,	etc)		11			
		RTDETECTO								
		DET	423	, -		5 DET	11	1.69%		
		DET	152	23.35%		6 DET	0	0.00%		
		DET	50	7.68%		7 DET	1	0.15%		
		DET	15 EEN 2 SEC	2.30%		8 DET	1	0.15%		
		TIME BETW			6.2	sec				
	_	Y DISTRI								
	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
-	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	15	4.5%	-14000	0	-231	0.0%	4	20		3.1%
2	64	19.4%	-12000	0	-198	0.0%	8	218		33.5%
3	73	22.1%	-10000	0	-165	0.0%	12	100		15.4%
4	56	17.0%	-8000	1	-132	0.8%	16	65		10.0%
5	49	14.8%	-6000	4	-99	3.1%	20	43		6.6%
6 7	38	11.5%	-4000 2000	4	-66	3.1%	24	22		3.4%
/ 2	23 12	7.0% 3.6%	-2000	1	-33	0.8%	28	22		3.4%
TOTAL	330	3.0%	0 2000	1 0	0	0.8%	32	14		2.2%
.OIAL	330		4000	1	33 66	0.0% 0.8%	36	8		1.2%
2-GAT	ESORTS		6000	0	99	0.8%	40	16		2.5%
	SORTS	FREQ%	8000	0	132	0.0%	44	5		0.8%
9	36	11.2%	10000	4	165	3.1%	48	3		0.5%
10	80	24.9%	12000	4	198	3.1%	52	3		0.5%
11	56	17.4%	14000	6	231	3.1% 4.6%	56 60	8		1.2%
12	53	16.5%	16000	21	264	16.0%	64	6		0.9%
13	36	11.2%	18000	32	298	24.4%	68	6		0.9%
14	34	10.6%	20000	25				3		0.5%
15	26	8.1%	22000	16	331 364	19.1%	72 76	2		0.3%
TOTAL	321	0.170	24000	10		12.2% 7.6%	76 80	3		0.5%
	321		26000	10	397 430		80	4		0.6%
			>28000	0	430	0.8%	84	2		0.3%
			TOTAL	131	0	0.0%	>84 TOTAL	78 651		12.0%
			LOIAL	131			IVIAL	100		





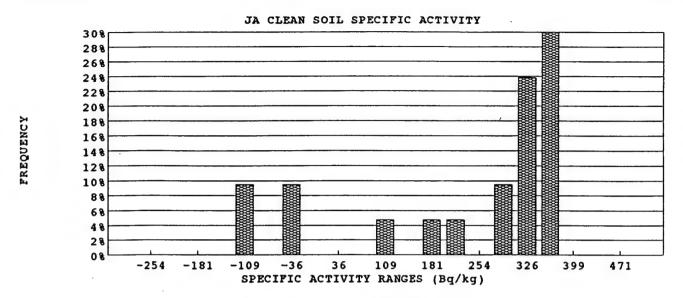


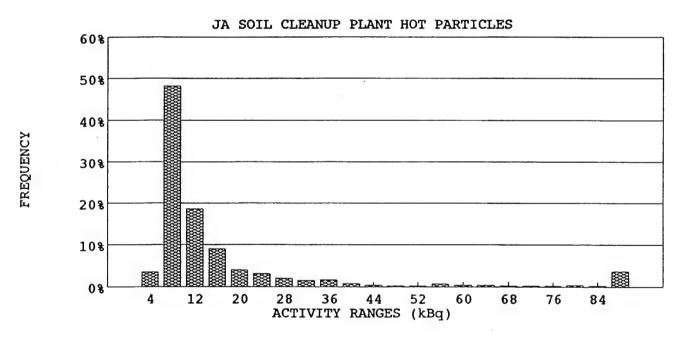


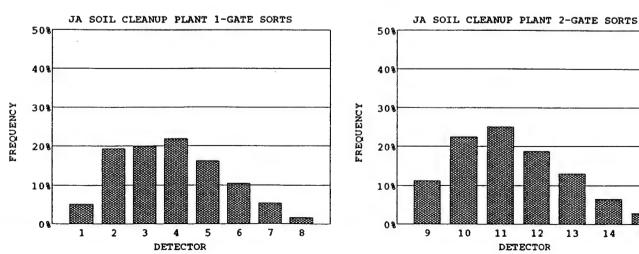
WORK DAY START	06:00 AM		WORK DAY E		16:30 PM	
LUNCH START	11:00 AM		TIME LOST D	URING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
SORTER AVAILABLE HOU	RS	0.0 hr	1.0 hr	0.0 hr	0.0 hr	1.0 hr
SORTER START-UP		NA	07:30	NA	NA	
START SOIL PROCESSING		NA	07:47	NA	NA	
TIME REQUIRED TO START	Γ–UP	0.0 hr	0.3 hr	0.0 hr	0.0 hr	0.3 hr
SORTER SHUT-DOWN		NA	08:32	NA	NA	
END SOIL PROCESSING		NA	08:31	NA	NA	
TIME REQUIRED TO SHUT	DOWN	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOURS		0.0 hr	0.7 hr	0.0 hr	0.0 hr	0.7 hr
DOWN-TIME		0.0 hr	0.3 hr	0.0 hr	0.0 hr	0.3 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABLE T	IME	10.0 hr	9.0 hr	10.0 hr	10.0 hr	39.0 hr
AUTHORIZED DELAY TIMI	E	7.5 hr	7.5 hr	10.0 hr	10.0 hr	35.0 hr
PLANT PERFORMANCE						70.4%
PRODUCTIVTY						1.8%
PRODUCTIVITY						
Date	22	-Aug-94	Evo	used Delays for da	w (corter—bre)	35 hr
Contract day (from 6 Sep)		289		-	ntract (sorter-hrs)	5.225 hr
Current Contract week		49		used delay days (p	,	131 days
				used delay months	• /	5.02 months
Soil production for Day		7 MT			(praire anoma)	olog months
Cumlative Soil Production for W	eek	7 MT	Per	cent of contract co	mpleted	57.2%
Total Soil production for contract	et		Tor	s Ahead or Behin	d Schedule	1,685 MT
Since 6 Sep 9:	3	55,633 MT	Day	s ahead or behind	schedule	5.3 days
Since 6 Aug 9	3	57,224 MT				,
Total Soil production for project		83,511 MT	•			

SORT	ER 2							Aug-94		
	S	ORTER SOIL	DENSITY	1.20 tor	is/m³	В	ACKGROUND	0	.78 ±	0.03 c
SOIL					CONTAN	INATED	CLEAN	Т	OTAL	
1	MASS TOT	AL			6.4	tons	0.9 tons		7.3 tons	
1	MAXIMUM	I/SORT			55.9	kg	55.2 kg			
1	MINIMUM	SORT			0.7	kg	46.1 kg			
		N-GROUND			5.1	yd³	0.7 yd ³		5.8 yd³	
	WEIGHT R	ECOVERY (CLEAN/(HO	T+CLEAN))	12.7%				
ACTIV	VITY						DISPERSE	D + PARTICL	E	
					PART	TOLE	нот	CLE	AN	
7	TOTAL				20,134	kBq	7,731 kBq	2	270 kBg	
	MAXIMUM	L/SORT			1,995	kBq	771 kBq		20 kBg	
1	MINIMUM	SORT			3	kBq	1,505 Bq		-3 kBq	
5	SPECIFIC A	CTIVITY					1,210 Bq/kg		290 Bq/	kg
SORT	S									
		OCESS PERI	ons				131	UNI	EXP PA	AUSE
4		LL 80 ELEME		MD>0&MN	(D=0)	113		TIN		IME
		ONE (AD=0				0		Non		one
	50	OME (AD=08	0 <md<mn< td=""><td>IDmax&MN</td><td>D<mndmax< td=""><td>-</td><td></td><td></td><td></td><td></td></mndmax<></td></md<mn<>	IDmax&MN	D <mndmax< td=""><td>-</td><td></td><td></td><td></td><td></td></mndmax<>	-				
		NEXPLAINE			2	,				
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			D=0 & MD>		0					
			D<0 & MD:		0					
2	2-SEC COI	UNT PERIOD					1,310			
Ī		-SEC RECOR		ORTS		735				
	_	-SEC RECOR				575				
-		OCESS RECO			-s PERIODS	S)	866			
1	NONPROC	ESSING REC	ORDS (Test.	calibration, e	tc)	,	3			
		T DETECTO		,	,					
		DET	483	65.71%		5 DET	3	0.41%		
	2	DET	189	25.71%		6 DET	0	0.00%		
		DET	48	6.53%		7 DET	0	0.00%		
	4	DET	12	1.63%		8 DET	0	0.00%		
	AVERAGE	TIME BETW	EEN 2-SEC	SORTS	5.4	sec				
FREO	UENCY	Y DISTRI	BUTION	NS						
	ESORTS	. 2.2	ACT_ND	NUM	SPEC A	FREQ%	ACT P	NUM	F	REO%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	INDQ	(kBq)	(#)	-	
1	18	5.1%	-14000	0	-254	0.0%	4	26		3.5%
2	68	19.3%	-12000	0	-217	0.0%	8	354		8.2%
3	7 0	19.9%	-10000	0	-181	0.0%	12	137		8.6%
4	70 77	21.9%	-8000	0	-161 -145	0.0%	16	66		9.0%
5	57	16.2%	-6000	2	-109	9.5%	20	29		3.9%
6	37	10.5%	-4000	0	-72	0.0%	24	23		3.1%
7	19	5.4%	-2000	2	-36	9.5%	28	15		2.0%
8	6	1.7%	0	0	0	0.0%	32	11		1.5%
TOTAL -	352	1.770	2000	0	36	0.0%	36	12		1.6%
	J.J.		4000	0	72	0.0%	40	6		0.8%
2-GATI	ESORTS		6000	1	109	4.8%	44	3		0.4%
DET	SORTS	FREQ%	8000	0	145	0.0%	48	2		0.3%
9	43	11.2%	10000	1	181	4.8%	52	2		0.3%
10	86	22.5%	12000	1	217	4.8%	56	5		0.7%
11	96	25.1%	14000	0	254	0.0%	60	3		0.4%
12	72	18.8%	16000	2	290	9.5%	64	3		0.4%
13	50	13.1%	18000	5	326	23.8%	68	2		0.3%
14	25	6.5%	20000	7	362	33.3%	72	2		0.3%
15	11	2.9%	22000	Ö	399	0.0%	76	2		0.3%
TATO	383	4.770	24000	0	435	0.0%	80	3		0.4%
OIAL	363		26000	0	471	0.0%	84	2		0.3%
			>28000		0	0.0%	>84	27		3.7%
			TOTAL	21	U	0.070	TOTAL	735		2.70
								.33		
EVENTT	YPES	HPE	688	MPE	279	DISE	8,177			

15

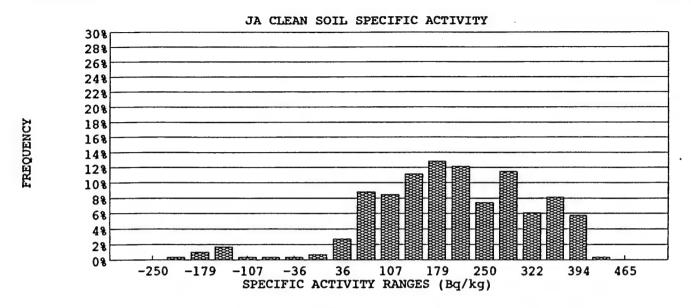


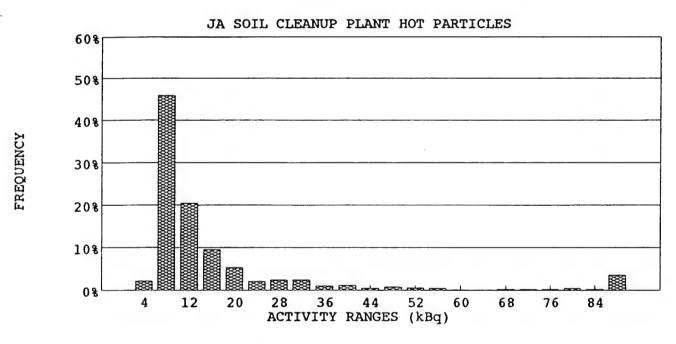


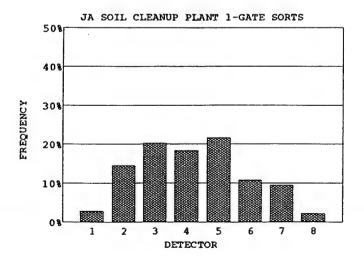


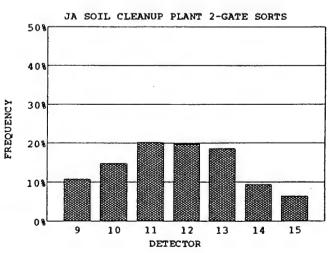
WORK DAY START	06:00 AM		WORK DAY	Y END		16:30 PM		
LUNCH START	11:00 AM		TIME LOST	DURING	LUNCH	0.5 HR		
	5	SORTER 1	SORTER	2 SOR	TER 3	SORTER 4	TOTAL	
							(sorter l	hours)
WORK HOURS		10.0 hr	10.0	hr 10	.0 hr	10.0 hr	40.0	hr
SORTER AVAILABLE HOURS		3.3 hr	3.3	hr 0	.0 hr	0.0 hr	6.5	hr
SORTER START-UP		06:00	06:00	N.	A	NA		
START SOIL PROCESSING		07:01	07:01	N.	A	NA		
TIME REQUIRED TO START-	-UP	1.0 hr	1.0	hr 0	.0 hr	0.0 hr	2.1	hr
SORTER SHUT-DOWN		09:15	09:15	N.	A	NA		
END SOIL PROCESSING		09:10	09:11	N.	A	NA		
TIME REQUIRED TO SHUT D	OWN	0.1 hr	0.1	hr 0.	.0 hr	0.0 hr	0.1	hr
ACTUAL PROCESS HOURS		2.1 hr	2.1	hr 0.	0 hr	0.0 hr	4.3	hr
DOWN-TIME		1.1 hr	1.1	hr 0.	0 hr	0.0 hr	2.2	hr
SYSTEM PAUSE		0.0 hr	0.0 1	hr 0.	0 hr	0.0 hr	0.0	hr
SORTER NONAVAILABLE TIM	ИE	6.8 hr	6.8	hr 10.	0 hr	10.0 hr	33.5	hr
AUTHORIZED DELAY TIME		6.8 hr	6.8 1	hr 10.	0 hr	10.0 hr	33.5	hг
PLANT PERFORMANCE							66.0%	
PRODUCTIVTY							10.7%	
PRODUCTIVITY								
Date	23-	-Aug-94	1	Excused Del	ays for d	ay (sorter—hrs)	33.5	hr
Contract day (from 6 Sep)		290	1	Excused dela	ys for co	ntract (sorter-hrs)	5,259	hr
Current Contract week		49	1	Excused dela	y days (p	plant – days)	131	days
			1	Excused dela	y month:	s (plant-month)	5.06	months
Soil production for Day		43 MT						
Cumlative Soil Production for Wee	:k	50 MT	· I	Percent of co	ontract co	ompleted	57.3%	
Total Soil production for contract			7	Tons Ahead	or Behin	d Schedule	1,677	MT
Since 6 Sep 93		55,676 MT	. 1	Days ahead o	or behind	schedule	5.3	days
Since 6 Aug 93		57,267 MT	•					
Total Soil production for project		83,554 MT	•					

SOR.	TER 1	ODTED CO-	DELICIES.					3-Aug-94		
SOIL		SORTER SOII	LDENSITY	1.20 to			BACKGROUND		0.67 ±	
SOIL					CONTA	MINATED	CLEAN	•	TOTA	L
	MASS TO					tons	16.0 tons		21.6 to	ons
	MAXIMU				55.9		55.9 kg			
	MINIMUM	•				kg	46.1 kg			
		IN-GROUN				yd³	12.7 yd ³		17.1 ye] 3
1 000		RECOVERY (CLEAN/(HO	T+CLEAN))	74.2%				
ACII	VITY						DISPER	SED + PAR	TICLE	
					PAR	TICLE	HOT		CLEAN	
	TOTAL				16,231	kBq	6,051 kBq		3,024 k	Ro.
	MAXIMUI	M/SORT			1,249	-	541 kBq		22 kl	
	MINIMUM	I/SORT				kBq	0 Bq		-13 kl	•
	SPECIFIC	ACTIVITY					1,085 Bq/k	œ.	189 B	•
SORT	ΓS									1.0
		ROCESS PER	IODS				386		INTEND	DATICE
		ALL 80 ELEM		MD>0&M	ND=0)	92	300		UNEXP	
		IONE (AD=0				137			TIME	TIME
				•	ID <mndmax< td=""><td></td><td></td><td></td><td>None</td><td>None</td></mndmax<>				None	None
		NEXPLAINE			xamunmadı 0	, 15/				
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			AD=0 & MD>		0					
		_	D<0 & MD:	_	0					
	2-SEC CO	UNTPERIOR		- 0	Ū		3,860			
		-SEC RECO	_	ORTS		866	3,000			
		-SEC RECO				2,994				
					0-s PERIODS		1,252			
	NONPROC	ESSING REC	ORDS (Test	calibration	etc)	"	2			
		RT DETECTO		ounorunon,			2			
		DET	607	70.09%		5 DET	4	0.46%		
	2	DET	207	23.90%		6 DET	0	0.40%		
	3	DET	40	4.62%		7 DET	0	0.00%		
	4	DET	8	0.92%		8 DET	0	0.00%		
	AVERAGE	TIME BETW	EEN 2-SEC	SORTS	12.7		Ü	0.00%		
FREC	UENC	Y DISTRI	BUTION	IS						
	ESORTS		ACT_ND	NUM	SDEC A	ED EOW	4 CTT TO			
	SORTS	FREQ%	(Bq)	(#)	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
1	12	2.9%	-14000	0	(Bq/kg) -250	0.00	(kBq)	(#)		
2	61	14.5%		_		0.0%	4	19		2.2%
3			-12000	1	-215	0.3%	8	397		45.8%
4	85 77	20.2%	-10000	3	-179	1.0%	12	177		20.4%
5		18.3%	-8000 -6000	5	-143	1.7%	16	83		9.6%
6	91 45	21.7%	-6000	1	-107	0.3%	20	46		5.3%
7	45 40	10.7%	-4000 2000	1	-72	0.3%	24	18		2.1%
8		9.5%	-2000	1	-36	0.3%	28	21		2.4%
	420	2.1%	2000	2	0	0.7%	32	21		2.4%
TAL	420		2000	8	36	2.7%	36	9		1.0%
2_GAT	ESORTS		4000	26	72	8.8%	40	10		1.2%
DET	SORTS	EDECO	6000	25	107	8.4%	44	4		0.5%
		FREQ%	8000	33	143	11.1%	48	7		0.8%
9 10	48	10.8%	10000	38	179	12.8%	52	5		0.6%
	66	14.8%	12000	36	215	12.2%	56	4		0.5%
11	90	20.2%	14000	22	250	7.4%	60	1		0.1%
12	88	19.7%	16000	34	286	11.5%	64	1		0.1%
13	83	18.6%	18000	18	322	6.1%	68	2		0.2%
14	42	9.4%	20000	24	358	8.1%	72	2		0.2%
15	29	6.5%	22000	17	394	5.7%	76	2		0.2%
OTAL	446		24000	1	429	0.3%	80	4		0.5%
			26000	O	465	0.0%	84	2		0.2%
			>28000	0	0	0.0%	>84	31		3.6%
			TOTAL	296	J	3.070	TOTAL	866		3.0%
								OUO		



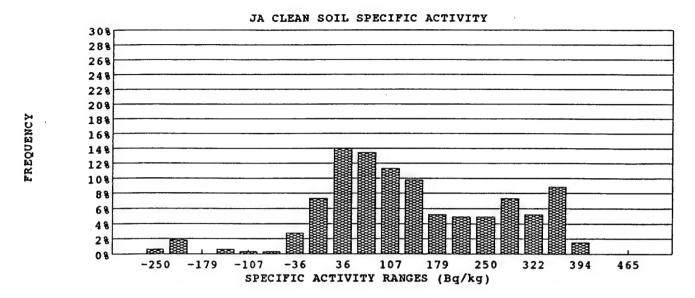


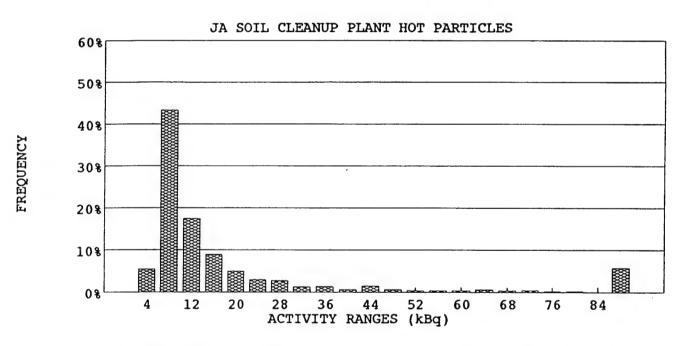


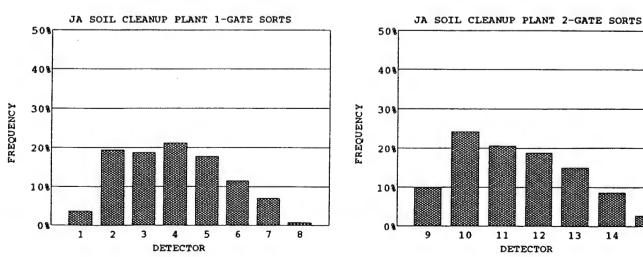


SORTI	ER 2					-	2	3-Aug-94		
	S	ORTER SOIL	DENSITY	1.20 to	ons/m³	1	BACKGROUND	_	0.77 :	± 0.02 c
SOIL					CONTAI	MINATED	CLEAN		TOTA	L
	IASS TOT					tons	17.6 ton	s	21.6 t	ons
	IAXIMUM				58.1	-	55.9 kg			
	IINIMUM,					kg	43.3 kg			••
		N-GROUNI ECOVERY (T±CT EAN		yd³ 81.7%	14.0 yd³		17.1 y	d3
ACTIV		LCOVERT	CLEAN(IIO	ITCLEAN	<u> </u>	01.776	Dioppy			
ACIIV	11 1				DAD'	TICLE		RSED + PART		
т	OTAL				17,614		HOT 5,459 kB		2,242)	-D
_	IAXIMUM	L/SORT				kBq	262 kB	•	21)	_
M	INIMUM	SORT				kBq	0 Bq	-	-16)	_
	PECIFIC A	CTIVITY					1,381 Bq/			q/kg
SORTS	3									
20	O-SEC PR	OCESS PERI	ODS				386		UNEXP	PAUSE
		LL 80 ELEMI			ND=0)	61			ПМЕ	TIME
		ONE (AD=0				133			07:11	09:08
		•			D <mndmax< td=""><td>) 192</td><td></td><td></td><td></td><td></td></mndmax<>) 192				
	U	NEXPLAINE			0					
			<ad<1kbq a<br="">D=0 & MD></ad<1kbq>		1					
			D<0 & MD		0					
2-	-SEC CO	JNT PERIOD		. 0	U		3,860			
		-SEC RECOR		ORTS		804	3,000			
	2-	-SEC RECOR	RDS WITHOU	UT SORTS		3,056				
T	OTAL PR	OCESS RECO	ORDS (2-s S0	ORTS and 20	0-s PERIODS	S)	1,190			
		ESSING REC	•	calibration,	etc)		3			
2-		T DETECTO								
		DET	566	70.40%		5 DET	2	0.25%		
		DET	186	23.13%		6 DET	0	0.00%		
		DET DET	41 9	5.10% 1.12%		7 DET 8 DET	0	0.00%		
A.		TIME BETW			13.6		0	0.00%		
		DISTRI			15.0	300				***
1-GATE		DIOTIC	ACT_ND	NUM	SPEC A	FREQ%	ACT P	NUM		ED EOW
DET		FREQ%	(Bq)	(#)	(Bq/kg)	TKLQ%	(kBq)	(#)		FREQ%
1	15	3.6%	-14000	2	-250	0.6%	(AD4) 4	44		5.5%
2	80	19.5%	-12000	6	-215		8	348		43.3%
3	77	18.7%	-10000	0	-179	0.0%	12	140		17.4%
4	87	21.2%	-8000	2	-143	0.6%	16	72		9.0%
5	73	17.8%	-6000	1	-107	0.3%	20	40		5.0%
6	47	11.4%	-4000	1	-72	0.3%	24	24		3.0%
7 8	29	7.1%	-2000	9	-36	2.7%	28	22		2.7%
OTAL -	411	0.7%	2000	24 46	0	7.3%	32	10		1.2%
JIAL	411		4000	46 44	36 72	14.0% 13.4%	36 40	11 5		1.4%
2-GATE	SORTS		6000	37	107	11.3%	44	12		0.6% 1.5%
	SORTS	FREQ%	8000	32	143	9.8%	48	5		0.6%
9	39	9.9%	10000	17	179	5.2%	52	3		0.4%
10	95	24.2%	12000	16	215	4.9%	56	3		0.4%
11	81	20.6%	14000	16	250	4.9%	60	3		0.4%
12	74	18.8%	16000	24	286	7.3%	64	5		0.6%
13	59	15.0%	18000	17	322	5.2%	68	3		0.4%
14	34	8.7%	20000	29	358	8.8%	72	4		0.5%
15 _	11	2.8%	22000	5	394	1.5%	76	2		0.2%
OTAL	393		24000	0	429	0.0%	80	2		0.2%
			26000	0	465	0.0%	84	0		0.0%
			>28000	228	0	0.0%	>84	46		5.7%
m 1735			TOTAL	328			TOTAL	804		
VENTTY	PES	HPE	<i>7</i> 79	MPE	287	DISE	4,590			

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WORK DAY START	00:00	AM		WORK DA	Y EN	D	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	TDU	RING LUNCH	0.0	HR		
		SO	RTER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL	
									(sorter h	ours)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0	hr hr	0.0	hr
SORTER AVAILABLE HOU	JRS		0.0 hr	0.0	hr	0.0 hr	0.0	hr hr	0.0	hr
SORTER START-UP			NA	NA		NA	NA	1		
START SOIL PROCESSING			NA	NA		NA	NA	1		
TIME REQUIRED TO STAI	RT-UP		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	NA			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SHU	TDOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOUR	S		0.0 hr	0.0	hr	0.0 hr	0.0	hr .	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	hr .	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
SORTER NONAVAILABLE	TIME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY TIM	ME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		24-4	\ug-94		Frens	sed Delays for o	lay (sorte	- bre)	40	he
Contract day (from 6 Sep)		2	291			sed delays for co	- `	,	5,299	
Current Contract week			49			sed delays for e	•	•	132	
Carron Contract work			"			sed delay days (•	•		uays months
Soil production for Day			0 MT	٢	23000	ed delay monti	is (plain	month)	3.10	months
Cumlative Soil Production for	Week		50 MT	r	Perce	nt of contract c	ompleted		57.3%	
Total Soil production for contr	act					Ahead or Behir	•		1,677	мт
Since 6 Sep			55,676 MT	٢	Davs	ahead or behin	d schedule		5.3	
Since 6 Aug			57,267 MT							_,_
Total Soil production for proje	ct		83,554 MT							

WORK DAY START	00:00	AM		WORK DA	Y EN	TD	00:00	·PM		
LUNCH START	00:00	AM		TIME LOS	rdu	RING LUNCH	0.0	HR		
		SORTE	R 1	SORTE	₹2	SORTER 3	SORT	ER 4	TOTAL	
									(sorter l	,
WORK HOURS		Ĭ	.0 hr	0.0		0.0 hr	0) hr	0.0	
SORTER AVAILABLE H	OURS	•	.0 hr	0.0	_	0.0 hr	-) hr	0.0	hr
SORTER START-UP		N		NA		NA	NA			
START SOIL PROCESSIN		N		NA		NA	NA			
TIME REQUIRED TO ST	ART-UP	Ī	.0 hr	0.0		0.0 hr) hr	0.0	hr
SORTER SHUT-DOWN		N		NA		NA	NA			
END SOIL PROCESSING		N		NA		NA	NA			
TIME REQUIRED TO SH	UT DOWN	Ī	.0 hr	0.0		0.0 hr) hr	0.0	hr
ACTUAL PROCESS HOU	RS	0	.0 hr	0.0		0.0 hr	0.0	hr hr	0.0	hr
DOWN-TIME		•	.0 hr	0.0		0.0 hr	0.0	hr	0.0	hr
SYSTEM PAUSE		0	.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
SORTER NONAVAILABI	ETIME	10	.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY T	IME	10	.0 hr	10.0	hr	10.0 hr	10.0	hr .	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
BD ODLIGHTUNG										
PRODUCTIVITY										
Date		25-Aug-9	14		Excus	sed Delays for da	ay (sorter	-hrs)	40	hr
Contract day (from 6 Sep)		29	2		Excus	sed delays for co	ntract (so	orter-hrs)	5,339	hr
Current Contract week		4	9		Excus	sed delay days (p	lant – day	ys)	133	days
					Excus	sed delay months	s (plant –	month)	5.13	months
Soil production for Day			0 MT							
Cumlative Soil Production for	or Week	5	0 MT		Perce	ent of contract co	mpleted		57.3%	
Total Soil production for cor	ntract				Tons	Ahead or Behin	d Schedu	le	1,677	MT
Since 6 Se	ер 93	55,67	6 MT		Days	ahead or behind	schedule	:	5.3	days
Since 6 A	ug 93	57,26	7 MT							
Total Soil production for pro	oject	83,55	4 MT	•						

WORK DAY START LUNCH START	00:00	AM AM		WORK DA		ID RING LUNCH		PM HR		
		so	RTER 1	SORTE	R 2	SORTER 3	SORTE	ER 4	TOTAL	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 h	,
SORTER AVAILABLE HOU	JRS		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 h	ır
SORTER START-UP			NA	NA		NA	NA			
START SOIL PROCESSING	;		NA	NA		NA	NA			
TIME REQUIRED TO STAL	RT-UP		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 h	ır
SORTER SHUT-DOWN			NA	NA		NA	NA			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SHU	T DOWN		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 h	r
ACTUAL PROCESS HOUR	S		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 h	r
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 h	ī
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 h	r
SORTER NONAVAILABLE	TIME		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0 h	r
AUTHORIZED DELAY TIM	ME		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0 h	r
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		26-A	Aug-94		Excu	sed Delays for da	y (sorter-	-hrs)	40 h	r
Contract day (from 6 Sep)			293		Excu	sed delays for co	ntract (so	rter-hrs)	5,379 h	ſ
Current Contract week			49		Excu	sed delay days (p	lant – day	s)	134 d	ays
					Excu	sed delay months	(plant-r	month)	5.17 n	nonths
Soil production for Day			0 M7	Γ						
Cumlative Soil Production for	Week		50 MT	Γ	Perce	ent of contract co	mpleted		57.3%	
Total Soil production for conti	ract				Tons	Ahead or Behin	d Schedul	e	1,677 N	1T
Since 6 Sep	93		55,676 MT	Γ	Days	ahead or behind	schedule		5.3 d	ays
Since 6 Aug	g 93		57,267 MT							
Total Soil production for proje	ect		83,554 MT	٢						

WORK DAY START	00:00	AM		WORK DA	YEN	ID	00:00 I	РМ		
LUNCH START	00:00	AM				RING LUNCH	0.0			
2011CII DII UC										
		SOR	TER 1	SORTE	R 2	SORTER 3	SORTER	R 4	TOTAL	,
									(sorter h	iours)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0 h	ır	0.0	hr
SORTER AVAILABLE H	ours		0.0 hr	0.0	hr	0.0 hr	0.0 h	n.	0.0	hr
SORTER START-UP			NA	NA		NA	NA			
START SOIL PROCESSIN	IG		NA	NA		NA	NA			
TIME REQUIRED TO ST	ART-UP		0.0 hr	0.0	hr .	0.0 hr	0.0 h	ır	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	NA			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SH	IUT DOWN		0.0 hr	0.0	hr	0.0 hr	0.0 h	ar	0.0	hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0	hr	0.0 hr	0.0 h	ır	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0 h	ır	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	br	0.0 hr	0.0 h	ıF	0.0	hr
SORTER NONAVAILABI	LETIME		10.0 hr	10.0	hr	10.0 hr	10.0 h	r	40.0	hr
AUTHORIZED DELAY 7	ПМЕ		10.0 hr	10.0	hr	10.0 hr	10.0 h	ır	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		27-Au	o-94		Freu	sed Delays for da	av (sorter –	hrs)	40	hr
Contract day (from 6 Sep)		2, 110	294			sed delays for co	• •	,	5,419	
Current Contract week			49			ised delay days (r	,	,	ŕ	days
Current Contract week			•			ised delay month				months
Soil production for Day			0 M7	Γ		,	()	,		
Cumlative Soil Production f	or Week		50 M7	Γ	Perc	ent of contract co	mpleted		57.3%	
Total Soil production for co	ntract				Tons	Ahead or Behin	d Schedule		1,677	MT
Since 6 S		5	5,676 MT	Γ	Days	ahead or behind	l schedule		5.3	days
Since 6 A	Aug 93	5	7,267 MT	Γ						
Total Soil production for pro-	oject	8	3,554 M7	Γ						
•										

WORK DAY START	00:00	AM		WORK DA	Y EN	ID	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	ΓDU	RING LUNCH	0.0	HR		
			SORTER 1	SORTE	₹2	SORTER 3	SORT	ER 4	TOTAL	
									(sorter h	ours)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER AVAILABLE HOU	JRS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP			NA	NA		NA	NA			
START SOIL PROCESSING	•		NA	NA		NA	NA	L		
TIME REQUIRED TO STA	RT-UP		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	NA	1		
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SHU	TDOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOUR	S		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILABLE	TIME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY TIM	AE		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		29	9-Aug-94		Excu	sed Delays for	day (sorte	r-hrs)	40	hr
Contract day (from 6 Sep)			295			sed delays for o	, ,	,	5,459	
Current Contract week			50			sed delay days	•	-	136	
						sed delay mont				months
Soil production for Day			0 M7	r			()	,		
Cumlative Soil Production for	Week		0 M	Γ	Perce	ent of contract	completed		57.3%	
Total Soil production for contr	ract				Tons	Ahead or Beh	ind Schedi	ıle	1,677	мт
Since 6 Sep			55,676 MT	Γ	Days	ahead or behin	nd schedul	e	5.3	days
Since 6 Aug	ş 9 3		57,267 M7	ſ						•
Total Soil production for proje			83,554 M7	Γ						

30-Aug-94

WORK DAY START	00:00	AM		WORK DA	Y EN	D	00:00	PM		
LUNCH START	00:00	AM				RING LUNCH	0.0	HR		
		S	SORTER 1	SORTE	2	SORTER 3	SORT	ER 4	TOTAL	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	,
SORTER AVAILABLE HO	URS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP			NA	NA		NA	NA	1		
START SOIL PROCESSING	;		NA	NA		NA	NA	1		
TIME REQUIRED TO STA	RT-UP		0.0 hr	0.0	br	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	NA	1		
END SOIL PROCESSING			NA	NA		NA	NA	1		
TIME REQUIRED TO SHU	TDOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	br
ACTUAL PROCESS HOUR			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	br
SORTER NONAVAILABLE	ТІМЕ		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY TI	ME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		30-	-Aug-94		Excu	sed Delays for d	av (sorte	r – hrs)	40	hr
Contract day (from 6 Sep)		50	296			sed delays for co		•	5,499	hr
Current Contract week			50			sed delay days (p			•	days
Current Contract week			50			sed delay month				months
Soil production for Day			0 M	r						
Cumlative Soil Production for	Week		0 M	Г	Perce	ent of contract co	ompleted	!	57.3%	
Total Soil production for cont	ract				Tons	Ahead or Behin	d Schedi	ule	1,677	MT
Since 6 Sep	93		55,676 M	r	Days	ahead or behind	l schedul	e	5.3	days
Since 6 Au	g 93		57,267 M	Γ						
Total Soil production for proj	ect		83,554 M	Γ						

WORK DAY START	00:00	AM	WORK DAY E	ND	00:00 PM	
LUNCH START	00:00	AM		JRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
WORK HOURS						(sorter hours)
	oum e	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	OURS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSIN		NA	NA	NA	NA	
TIME REQUIRED TO ST	ART-UP	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SH		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	RS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hг	0.0 hr
SORTER NONAVAILABL		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T	IME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		31-Aug-94	Excus	ed Delays for day	(sorter	40.1
Contract day (from 6 Sep)		297			tract (sorter-hrs)	40 hr
Current Contract week		50		ed delay days (pla		5,539 hr
				ed delay months (138 days
Soil production for Day		0 MT		ar deady months ((plant-month)	5.33 months
Cumlative Soil Production for	Week	0 MT	Percei	nt of contract com	plated	£7.2~
Total Soil production for cont	ract			Ahead or Behind		57.3%
Since 6 Sep	93	55,676 MT		head or behind s		1,677 MT
Since 6 Au	g 93	57,267 MT	Lays a	mead or beining s	cucanic	5.3 days
Total Soil production for proje		83,554 MT				
MT = metric tons						

WORK DAY CTART	00:00	AM	•	WORK DAY E	ND	00:00 PM	
WORK DAY START	00:00	AM			IRING LUNCH	0.0 HR	
LUNCH START	00.00						
			SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
							(sorter hours)
WORK HOURS			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	OURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP			NA	NA	NA	NA	
START SOIL PROCESSI	NG		NA	NA	NA	NA	
TIME REQUIRED TO S			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN			NA	NA	NA	NA	
END SOIL PROCESSING			NA	NA	NA	NA	
TIME REQUIRED TO S		1	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HO			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE SORTER NONAVAILAI	HTTME		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
			10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY							NA
PLANT PERFORMANC	E						NA
PRODUCTIVTY							
PRODUCTIVITY							
Dite			01-Sep-94	Ex	cused Delays for	day (sorter-hrs)	40 hr
Date Contract day (from 6 Sep)	1		298	Ex	cused delays for o	contract (sorter-hrs)	5,579 hr
Current Contract week			50	Ex	cused delay days	(plant-days)	139 days
Current Contract week				Ex	cused delay mon	ths (plant-month)	5.36 months
Soil production for Day			0 M				
Cumlative Soil Production	for Week		0 M		creent of contract		57.3%
Total Soil production for					ons Ahead or Beh		1,677 MT
	Sep 93		55,676 M	Γ D	ays ahead or behi	nd schedule	5.3 days
	6 Aug 93		57,267 M	Γ			
Total Soil production for	-		83,554 M	r			

WORK DAY START	00:00	AM		WORK DA	Y EN	D	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	r DU	RING LUNCH	0.0	HR		
		S	ORTER 1	SORTE	₹2	SORTER 3	SORT	ER 4	TOTAL	
									(sorter ho	urs)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 h	r
SORTER AVAILABLE H	OURS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 h	r
SORTER START-UP			NA	NA		NA	N/	1		
START SOIL PROCESSIN	IG		NA	NA		NA	NA.	\		
TIME REQUIRED TO ST	ART-UP		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 h	r
SORTER SHUT-DOWN			NA	NA		NA	NA	1		
END SOIL PROCESSING			NA	NA		NA	NA	\		
TIME REQUIRED TO SH	NWOO TU		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 h	ſ
ACTUAL PROCESS HOU	RS		0.0 hr	0.0	hr	0.0 hг	0.0) hr	0.0 h	r
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	hr hr	0.0 h	ı
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 h	r
SORTER NONAVAILABI	LETIME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0 h	ır
AUTHORIZED DELAY 7	пме		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0 h	r
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		02-	-Sep-94		Excu	sed Delays for d	ay (sorte	r–hrs)	40 h	ır
Contract day (from 6 Sep)			299		Excu	sed delays for co	ontract (s	orter-hrs)	5,619 h	r
Current Contract week			50		Ехси	sed delay days ()	plant – da	ys)	140 d	ays
					Excu	sed delay month	s (plant-	month)	5.40 n	nonths
Soil production for Day			0 M	Т						
Cumlative Soil Production f	or Week		0 M	T	Perce	ent of contract co	ompleted	l	57.3%	
Total Soil production for co	ntract				Tons	Ahead or Behin	d Sched	ule	1,677 N	ΛT
Since 6 S	ep 93		55,676 M	Т	Days	ahead or behind	d schedul	e	5.3 d	lays
Since 6 A	Aug 93		57,267 M	Τ						
Total Soil production for pr	oject		83,554 M	Т						

WORK DAY START	00:00	AM	WORK DAY EN	٧D	00:00 PM	
LUNCH START	00:00	AM	TIME LOST DU	IRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	OURS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSIN	₩G	NA	NA	NA	NA	
TIME REQUIRED TO ST	ART-UP	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SH	IUT DOWN	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	RS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 br
SORTER NONAVAILAB	LETIME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T	пме	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		03-Sep-94	Excu	sed Delays for da	y (sorter-hrs)	40 hr
Contract day (from 6 Sep)		300	Excu	sed delays for co	ntract (sorter-hrs)	5,659 hr
Current Contract week		50	Excu	sed delay days (p	lant-days)	141 days
			Ехси	sed delay months	(plant-month)	5.44 months
Soil production for Day		0 MT	•			
Cumlative Soil Production for	or Week	0 MT	Perce	ent of contract co	mpleted	57.3%
Total Soil production for con	ntract		Tons	Ahead or Behine	d Schedule	1,677 MT
Since 6 S	ер 93	55,676 MT	Days	ahead or behind	schedule	5.3 days
Since 6 A	ug 93	57,267 MT	•			í
Total Soil production for pro	oject	83,554 MT				

WORK DAY START 00:00		AM WORK DAY END			00:00 PM	
LUNCH START	00:00	AM	TIME LOST DU	JRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
WORK HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	(sorter hours) 0.0 hr
SORTER AVAILABLE HOUR	RS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO START	Γ–UP	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SHUT	DOWN	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABLE T	IME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY TIME	3	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		05-Sep-94	Exc	used Delays for d	ay (sorter—hrs)	40 hr
Contract day (from 6 Sep)		301	Exc	used delays for co	entract (sorter-hrs)	5,699 hr
Current Contract week		51	Exc	used delay days (p	olant-days)	142 days
			Exc	used delay month	s (plant-month)	5.48 months
Soil production for Day		0 M	Т			
Cumlative Soil Production for W	/eek	0 M	T Pero	ent of contract co	ompleted	57.3%
Total Soil production for contract	ct		Ton	s Ahead or Behin	d Schedule	1,677 MT
Since 6 Sep 9	3	55,676 M	T Day	s ahead or behind	i schedule	5.3 days
Since 6 Aug 9	93	57,267 M	Т			
Total Soil production for project	I	83,554 M	T			

WORK DAY START 00:00		AM		WORK DAY E	ND	00:00 PM				
LUNCH START	00:00	AM		TIME LOST DI	JRING LUNCH	0.0	HR			
		SORTER	1	SORTER 2	SORTER 3	SORT	ER 4	TOTAL		
WORK HOURS		0.0	hr	0.0 hr	0.0 hr	0.0) hr	(sorter hours) 0.0 hr		
SORTER AVAILABLE HO	URS	0.0	hr	0.0 hr	0.0 hr	0.0) hr	0.0 hr		
SORTER START-UP		NA		NA	NA	NA				
START SOIL PROCESSING		NA		NA	NA	NA				
TIME REQUIRED TO STA	RT-UP	0.0	hr	0.0 hr	0.0 hr	0.0	hr	0.0 hr		
SORTER SHUT-DOWN		NA		NA	NA	NA				
END SOIL PROCESSING		NA		NA	NA	NA				
TIME REQUIRED TO SHU	TDOWN	0.0	hr	0.0 hr	0.0 hr	0.0	hr	0.0 hr		
ACTUAL PROCESS HOUR	s	0.0	hr	0.0 hr	0.0 hr	0.0	hr	0.0 hr		
DOWN-TIME		0.0	hr	0.0 hr	0.0 hr	0.0	hr	0.0 hr		
SYSTEM PAUSE		0.0	hr	0.0 hr	0.0 hr	0.0	hr	0.0 hr		
SORTER NONAVAILABLE	ТІМЕ	10.0	hr	10.0 hr	10.0 hr	10.0	hr	40.0 hr		
AUTHORIZED DELAY TIN	ME	10.0	hr	10.0 hr	10.0 hr	10.0	hr	40.0 hr		
PLANT PERFORMANCE								NA		
PRODUCTIVTY								NA		
PRODUCTIVITY										
Date		06-Sep-94		Excu	ised Delays for da	y (sorter	-hrs)	40 hr		
Contract day (from 6 Sep)		302		Ехси	sed delays for co	ntract (so	rter-hrs)	5,739 hr		
Current Contract week		51		Excu	sed delay days (p	lant – day	's)	143 days		
				Excu	sed delay months	(plant-	month)	5.52 months		
Soil production for Day		0	MT							
Cumlative Soil Production for	Week	0	MT	Perce	ent of contract co	mpleted		57.3%		
Total Soil production for contr	act			Tons	Ahead or Behind	i Schedu	le	1,677 MT		
Since 6 Sep	93	55,676	MT	Days	ahead or behind	schedule		5.3 days		
Since 6 Aug	93	57,267	MT							
Total Soil production for proje	ct	83,554	MT							

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WORK DAY START	00:00	AM		WORK DA	Y EN	TD .	00:00	PM	
LUNCH START	00:00	AM		TIMELOS	TDU	RING LUNCH	0.	0 HR	
		SORT	ER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL (sorter hours)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0	D hr	0.0 hr
SORTER AVAILABLE HO	URS		0.0 hr	0.0	hr	0.0 hr	0.	0 hr	0.0 hr
SORTER START-UP			NA	NA		NA	N/	A	
START SOIL PROCESSIN	G		NA	NA		NA	N/	A	
TIME REQUIRED TO STA	ART-UP		0.0 hr	0.0	hr	0.0 hr	0.	0 hr	0.0 hr
SORTER SHUT-DOWN			NA	NA		NA	N/	4	
END SOIL PROCESSING			NA	NA		NA	N/	4	
TIME REQUIRED TO SH	UT DOWN		0.0 hr	0.0	hr	0.0 hr	0.	0 hr	0.0 hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0	hr	0.0 hr	0.	0 hr	0.0 hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr
SORTER NONAVAILABL	ETIME		10.0 hr	10.0	hr	10.0 hr	10.	0 hr	40.0 hr
AUTHORIZED DELAY T	IME		10.0 hr	10.0	hr	10.0 hr	10.	0 hr	40.0 hr
PLANT PERFORMANCE									NA
PRODUCTIVTY									NA
PRODUCTIVITY									
Date		07-Sep	- 94		Excu	sed Delays for d	ay (sorte	r-hrs)	40 hr
Contract day (from 6 Sep)			303		Excu	sed delays for co	ontract (s	orter-hrs)	5,779 hr
Current Contract week			51		Excu	sed delay days (1	plant – da	ys)	144 days
					Excu	sed delay month	s (plant-	month)	5.56 months
Soil production for Day			0 MT	•					
Cumlative Soil Production for	r Week		0 MT	•	Perce	ent of contract co	ompleted		57.3%
Total Soil production for con	tract				Tons	Ahead or Behin	d Sched	ule	1,677 MT
Since 6 Se	p 93	55	,676 MT	•	Days	ahead or behind	i schedul	e	5.3 days
Since 6 A	ug 93	57.	,267 MT	•					
Total Soil production for pro	ject	83.	,554 MT	•					

SORTER 1 SORTER 2 SORTER 3 SORTER 4 TOTAL	
WORK HOURS 0.0 hr 0.0 hr	
WORK HOURS 0.0 hr 0.0	
WORK HOURS 0.0 hr 0.0	rs)
SORTER START-UP NA	,
START SOIL PROCESSING NA NA NA NA TIME REQUIRED TO START-UP 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr SORTER SHUT-DOWN NA NA NA NA NA END SOIL PROCESSING NA NA NA NA TIME REQUIRED TO SHUT DOWN 0.0 hr 0.	
TIME REQUIRED TO START-UP 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr SORTER SHUT-DOWN NA NA NA NA NA END SOIL PROCESSING NA NA NA NA TIME REQUIRED TO SHUT DOWN 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr ACTUAL PROCESS HOURS 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr DOWN-TIME 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr	
SORTER SHUT-DOWN NA NA NA NA NA END SOIL PROCESSING NA NA NA NA NA TIME REQUIRED TO SHUT DOWN 0.0 hr	
END SOIL PROCESSING NA NA NA NA TIME REQUIRED TO SHUT DOWN 0.0 hr 0.0 hr 0.0 hr ACTUAL PROCESS HOURS 0.0 hr 0.0 hr 0.0 hr 0.0 hr DOWN-TIME 0.0 hr 0.0 hr 0.0 hr 0.0 hr	
TIME REQUIRED TO SHUT DOWN 0.0 hr	
ACTUAL PROCESS HOURS 0.0 hr	
DOWN-TIME 0.0 hr 0.0 hr 0.0 hr 0.0 hr	
SYSTEM PAUSE 0.0 hr 0.0 hr 0.0 hr 0.0 hr 0.0 hr	
SORTER NONAVAILABLE TIME 10.0 hr 10.0 hr 10.0 hr 40.0 hr	
AUTHORIZED DELAY TIME 10.0 hr 10.0 hr 10.0 hr 40.0 hr	
PLANT PERFORMANCE NA	
PRODUCTIVTY	
PRODUCTIVITY	
Date 08-Sep-94 Excused Delays for day (sorter-hrs) 40 hr	
Contract day (from 6 Sep) 304 Excused delays for contract (sorter-hrs) 5,819 hr	
Current Contract week 51 Excused delay days (plant-days) 145 day	s
Excused delay months (plant-month) 5.60 months	nths
Soil production for Day 0 MT	
Cumlative Soil Production for Week 0 MT Percent of contract completed 57.3%	
Total Soil production for contract Tons Ahead or Behind Schedule 1,677 MT	•
Since 6 Sep 93 55,676 MT Days ahead or behind schedule 5.3 days	S
Since 6 Aug 93 57,267 MT	
Total Soil production for project 83,554 MT	

WORK DAY START	00:00	AM	WORK DAY E	ND	00:00 PM	
LUNCH START	00:00	AM	TIME LOST DU	IRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	IOURS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSI	NG	NA	NA	NA	NA	
TIME REQUIRED TO ST	TART-UP	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING	}	NA	NA	NA	NA	
TIME REQUIRED TO SE	HUT DOWN	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	JRS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILAB	LETIME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY	ПМЕ	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE	3					NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		09-Sep-94	Exc	used Delays for d	ay (sorter-hrs)	40 hr
Contract day (from 6 Sep)		305	Exc	used delays for co	ontract (sorter-hrs)	5,859 hr
Current Contract week		51	Exc	used delay days (plant – days)	146 days
			Exc	used delay month	s (plant-month)	5.63 months
Soil production for Day		0 M	Γ			
Cumlative Soil Production	for Week	0 M	Γ Pero	ent of contract c	ompleted	57.3%
Total Soil production for co	ontract		Ton	s Ahead or Behir	nd Schedule	1,677 MT
Since 6.5	Sep 93	55,676 M	Γ Day	s ahead or behin	d schedule	5.3 days
Since 6	Aug 93	57,267 M	Г			
Total Soil production for pr	roject	83,554 M	Γ			

WORK DAY START	00:00	AM		WORK DA	Y EN	ND .	00:00	PM		
LUNCH START	00:00	AM				RING LUNCH	0.0	HR		
		2022		conme	D 0	conver a	CODT	CD 4	TOTAL	
		SOR	TER 1	SORTE	R 2	SORTER 3	SORT	EK 4	TOTAL	
WORK HOURS			0.0 hr	0.0) hr	0.0 hr	0.0) hr	(sorter)	,
WORK HOURS	Ottne		0.0 hr		hr	0.0 hr) hr	0.0	
SORTER AVAILABLE HO SORTER START-UP	JUKS		NA	NA NA		NA	NA NA	-	0.0	111
START SOIL PROCESSIN	IC.		NA	NA NA		NA NA	N.A			
TIME REQUIRED TO ST			0.0 hr		hr	0.0 hr		r O br	0.0	he
SORTER SHUT-DOWN	AKI-UF		NA	NA NA		NA	N.A	-	0.0	ш
END SOIL PROCESSING			NA	NA NA		NA NA	NA NA			
			0.0 hr		hr	0.0 hr		r Ohr	0.0	he
TIME REQUIRED TO SH			0.0 hr		hr hr	0.0 hr) hr	0.0	
ACTUAL PROCESS HOU	KS		0.0 hr		hr	0.0 hr) hr	0.0	
DOWN-TIME			212 222	***	hr hr	0.0 nr 0.0 hr	•) hr	0.0	
SYSTEM PAUSE	P.M. IP		0.0 hr	10.0		0.0 hr) hr	40.0	
SORTER NONAVAILABI				10.0		10.0 hr		nr hr	40.0	
AUTHORIZED DELAY T			10.0 hr	10.0	nr	10.0 nr	10.0) Dr	40.0 NA	
PLANT PERFORMANCE									NA NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		10-Ser	Qd		Excu	sed Delays for da	av (sorte	r – hrs)	40	hr
Contract day (from 6 Sep)		10 00,	306			sed delays for co		,	5,899	
Current Contract week			51			sed delays for eous sed delay days (p	,	,	•	days
Current Contract week			.			sed delay days (p		-		months
Soil production for Day			0 M7	Γ			()		2.01	
Cumlative Soil Production for	or Week		0 M7	Γ	Perce	ent of contract co	mpleted		57.3%	
Total Soil production for con	ntract				Tons	Ahead or Behin	d Schedi	ıle	1,677	MT
Since 6 S	ер 93	55	5,676 MT	٢	Days	ahead or behind	schedul	c	5.3	days
Since 6 A	ug 93	57	7,267 MT	٢						
Total Soil production for pro	oject	83	3,554 MT	٢						

WORK DAY START	00:00	AM	WORK DAY EN		00:00 PM	
LUNCH START	00:00	AM	TIMELOST DU	IRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	OURS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSIN	IG	NA	NA	NA	NA	
TIME REQUIRED TO ST	ART-UP	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SH	UT DOWN	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	RS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILAB	LETIME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY	пме	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		12-Sep-94	Ехсі	ised Delays for d	ay (sorter – hrs)	40 hr
Contract day (from 6 Sep)		307	Ехс	ised delays for co	ontract (sorter-hrs)	5,939 hr
Current Contract week		52	Excu	ısed delay days (plant – days)	148 days
			Excu	ised delay month	s (plant-month)	5.71 months
Soil production for Day		0 M7	٠ .			
Cumlative Soil Production f	or Week	0 M7	Perc Perc	ent of contract c	ompleted	57.3%
Total Soil production for co	ntract		Tons	Ahead or Behir	nd Schedule	1,677 MT
Since 6 S	c p 93	55,676 MT	T Days	ahead or behin	d schedule	5.3 days
Since 6 A	rug 93	57,267 MT	Γ			
Total Soil production for pr	oject	83,554 MT	٢			

WORK DAY START	00:00	AM	WORK DAY E	ND	00:00 PM	
LUNCH START	00:00	AM	TIME LOST DU	IRING LUNCH	0.0 HR	
		CODTTD 1	control 2	CODTED 2	CODTED 4	TOTAL
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	(sorter nours)
SORTER AVAILABLE H	OLIDS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP	OURS	NA	NA	NA	NA	0.0 m
START SOIL PROCESSIN	JC.	NA NA	NA NA	NA	NA NA	
TIME REQUIRED TO ST		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN	AKI-OI	NA	NA	NA	NA NA	0.0 m
END SOIL PROCESSING		NA NA	NA NA	NA NA	NA NA	
TIME REQUIRED TO SH		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME	N.S	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILAB	ETME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T PLANT PERFORMANCE		10.0 hr	10.0 nr	10.0 nr	10.0 nr	40.0 hr NA
PRODUCTIVTY						NA NA
PRODUCTIVIT						NA
PRODUCTIVITY						
Date		13-Sep-94	Ехс	ised Delays for d	av (sorter – hrs)	40 hr
Contract day (from 6 Sep)		308		,	ontract (sorter-hrs)	5,979 hr
Current Contract week		52		ised delay days (,	149 days
				, , ,	s (plant – month)	5.75 months
Soil production for Day		0 M7		•	`` '	
Cumlative Soil Production f	or Week	0 M7	Perc	ent of contract co	ompleted	57.3%
Total Soil production for co	ntract			Ahead or Behin	•	1,677 MT
Since 6 S		55,676 MT	Days	ahead or behind	l schedule	5.3 days
Since 6 A	-	57,267 MT	•			,
Total Soil production for pro-	•	83,554 MT				
	•	•				

WORK DAY START LUNCH START	00:00	AM AM	WORK DA		Y END 00:00 DURING LUNCH				
20.1011211211		SORTER 1	SORTE		RTER 3	SORT		TOTAL	
								(sorter h	ours)
WORK HOURS		0.0	hr 0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER AVAILABLE HO	URS	0.0	hr 0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP		NA	NA	. 1	NΑ	NA			
START SOIL PROCESSING		NA	N/	. 1	NΑ	NA	1		
TIME REQUIRED TO STA	TIME REQUIRED TO START-UP		hr 0.0) hr	0.0 hr	0.0) hr	0.0	br
SORTER SHUT-DOWN		NA	NA	. 1	NA	NA	1		
END SOIL PROCESSING		NA	NA	. 1	NA	NA			
TIME REQUIRED TO SHU	TDOWN	0.0	hr 0.0	hr	0.0 hr	0.0	hr hr	0.0	hr
ACTUAL PROCESS HOUR	S	0.0	hr 0.0	hr (0.0 hr	0.0) hr	0.0	hr
DOWN-TIME		0.0	hr 0.0	hr	0.0 hr	0.0	hr .	0.0	hr
SYSTEM PAUSE		0.0	hr 0.0	hr (0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILABLE TIME		10.0	hr 10.0) hr 1	0.0 hr	10.0) hr	40.0	h <i>r</i>
AUTHORIZED DELAY TI	ME	10.0	hr 10.0	hr 1	0.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE								NA	
PRODUCTIVTY								NA	
PRODUCTIVITY									
Date		14-Sep-94		Excused D	elays for d	ay (sorte	r–hrs)	40	hr
Contract day (from 6 Sep)		309		Excused de	lays for co	ntract (s	orter-hrs)	6,019	hr
Current Contract week		52		Excused de	lay days (plant – da	ys)	150	days
				Excused de	lay month	s (plant-	month)	5.79	months
Soil production for Day		0 1	мт						
Cumlative Soil Production for	Week	0 1	МT	Percent of	contract co	ompleted		57.3%	
Total Soil production for cont	ract			Tons Ahea	d or Behir	id Schedi	ıle	1,677	MT
Since 6 Sep	93	55,676	MT	Days ahead	or behind	d schedul	c	5.3	days
Since 6 Au	g 93	57,267	MT						
Total Soil production for projection	ect	83,554 1	MT						

WORK DAY START 00:00	AM		WORK DAY	Y END		00:00	PM		
LUNCH START 00:00	AM		TIME LOST	DURIN	G LUNCH	0.0	HR		
	Se	ORTER 1	SORTER	2 SC	ORTER 3	SORT	ER 4	TOTAI	_
WORK HOURS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	•	hr
SORTER AVAILABLE HOURS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP		NA	NA		NA	NA			
START SOIL PROCESSING		NA	NA		NA	NA			
TIME REQUIRED TO START-UP		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr ·
SORTER SHUT-DOWN		NA	NA		NA	NA			
END SOIL PROCESSING		NA	NA		NA	N.A			
TIME REQUIRED TO SHUT DOWN	4	0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOURS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
DOWN-TIME		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
SYSTEM PAUSE		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILABLE TIME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY TIME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE								NA	
PRODUCTIVTY								NA	
PRODUCTIVITY									
Date	15-	Sep-94	1	Excused I	Delays for d	ay (sorte	r-hrs)	40	hr
Contract day (from 6 Sep)		310	1	Excused d	lelays for co	ontract (s	orter-hrs)	6,059	hr
Current Contract week		52	1	Excused d	lelay days (plant – da	ys)	151	days
			1	Excused d	lelay month	s (plant-	month)	5.83	months
Soil production for Day		0 MT	Γ						
Cumlative Soil Production for Week		0 M7	r 1	Percent of	contract c	ompleted		57.3%	
Total Soil production for contract			•	Tons Ahe	ad or Behir	nd Schedu	ile	1,677	MT
Since 6 Sep 93		55,676 M7	r 1	Days ahea	d or behind	d schedul	e	5.3	days
Since 6 Aug 93		57,267 MT	٢						
Total Soil production for project		83,554 MT	Γ						

WORK DAY START	00:00	AM	WORK DA	Y EN	ID.	00:00 PM			
LUNCH START	00:00	AM				RING LUNCH	0.0 HR		
		SORTE	R 1	SORTER	R 2	SORTER 3	SORTER 4	TOTAL	
								(sorter ho	urs)
WORK HOURS		0	.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 h	r
SORTER AVAILABLE H	ours	0	.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 h	ſ
SORTER START-UP		N	Α	NA		NA	NA		
START SOIL PROCESSIN	1G	N	Α	NA		NA	NA		
TIME REQUIRED TO START-UP		0	.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 h	r
SORTER SHUT-DOWN		N	A	NA		NA	NA		
END SOIL PROCESSING		N	A	NA		NA	NA		
TIME REQUIRED TO SH	NWOO TUI	0	.0 br	0.0	hr	0.0 hr	0.0 hr	0.0 h	r
ACTUAL PROCESS HOU	RS	0	.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 h	r
DOWN-TIME		0.	.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 h	r
SYSTEM PAUSE		0.	.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 h	r
SORTER NONAVAILABI	LETIME	10	.0 hr	10.0	hr	10.0 hr	10.0 hr	40.0 h	r
AUTHORIZED DELAY 7	IME	10	.0 hr	10.0	hr	10.0 hr	10.0 hr	40.0 h	r
PLANT PERFORMANCE								NA	
PRODUCTIVTY								NA	
PRODUCTIVITY									
Date		16-Sep-9	4		Excu	sed Delays for d	ay (sorter-hrs)	40 h	r
Contract day (from 6 Sep)		31	1		Excu	sed delays for co	ontract (sorter-hrs)	6,099 h	r
Current Contract week		5	2		Ехси	sed delay days (j	olant – days)	152 da	ays
					Excu	sed delay month	s (plant-month)	5.86 m	onths
Soil production for Day			0 MT	•					
Cumlative Soil Production for	or Week		0 MT	•	Perce	ent of contract co	ompleted	57.3%	
Total Soil production for co	ntract				Tons	Ahead or Behin	d Schedule	1,677 M	IT
Since 6 S	ep 93	55,67	6 MT	•	Days	ahead or behind	i schedule	5.3 da	ays
Since 6 A	ug 93	57,26	7 MT	•					
Total Soil production for pro-	oject	83,55	4 MT	•					

WORK DAY START	00:00	AM		WORK DAY	END		00:00	PM		
LUNCH START	00:00	AM		TIMELOST	DURIN	IG LUNCH	0.0) HR		
		s	ORTER 1	SORTER	2 S	ORTER 3	SORT	ER 4	TOTAL	
		-							(sorter be	ours)
WORK HOURS			0.0 hr	0.0 1	hr	0.0 hr	0.0	0 hr	0.0 1	hr .
SORTER AVAILABLE H	OURS		0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 1	hr
SORTER START-UP			NA	NA		NA	N/	A		
START SOIL PROCESSI	1G		NA	NA		NA	NA	A.		
TIME REQUIRED TO ST	ART-UP		0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 1	hr
SORTER SHUT-DOWN			NA	NA		NA	N/	A		
END SOIL PROCESSING	i		NA	NA		NA	N/	A		
TIME REQUIRED TO SE	HUT DOWN		0.0 hr	0.0 1	hr	0.0 hr	0.0	0 hr	0.0 1	hr
ACTUAL PROCESS HO	ЛRS		0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 1	nr
DOWN-TIME			0.0 hr	0.0 1	hr	0.0 hr	0.0	0 hr	0.0 1	hr
SYSTEM PAUSE			0.0 hr	0.0 1	hr	0.0 hr	0.0	0 hr	0.0 1	hr
SORTER NONAVAILAB	LETIME		10.0 hr	10.0 1	hr	10.0 hr	10.	0 hr	40.0 1	hr
AUTHORIZED DELAY	пме		10.0 hr	10.0 1	hr	10.0 hr	10.	0 hr	40.0 1	hr
PLANT PERFORMANCE	3								NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		17	-Sep-94	1	Excused	Delays for d	ay (sorte	r-hrs)	40	hr
Contract day (from 6 Sep)			312	1	Excused	delays for co	ontract (s	orter-hrs)	6,139	þr
Current Contract week			52	1	Excused	delay days (plant – da	iys)	153	days
]	Excused	delay month	s (plant-	-month)	5.90 1	months
Soil production for Day			0 M	Г						
Cumlative Soil Production	for Week		0 M	Γ]	Percent	of contract c	ompleted	i	57.3%	
Total Soil production for or	ontract			•	Tons Ah	ead or Behir	nd Sched	ule	1,677	MT
Since 6	Sep 93		55,676 M	r 1	Days aho	ad or behind	d schedu	le	5.3	days
Since 6.	Aug 93		57,267 M	Γ						
Total Soil production for p	roject		83,554 M	Γ						

WORK DAY START	00:00	AM		WORK DA	YEN	ND	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	TDU	RING LUNCH	0.0	HR		
			SORTER 1	SORTE	D 2	SORTER 3	SORT	ED 4	TOTAL	
			SORIERI	SORIE	. 2	SORTER 3	SORT	CR 4	(sorter h	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	,
SORTER AVAILABLE HO	URS		0.0 hr		br	0.0 hr		hr	0.0 1	
SORTER START-UP			NA	NA		NA	NA		0.0 .	
START SOIL PROCESSING	3		NA	NA		NA	NA			
TIME REQUIRED TO STA	RT-UP		0.0 hr	0.0	hr	0.0 hr	0.0	br	0.0 1	hr
SORTER SHUT-DOWN			NA	NA		NA	NA			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SHU	TDOWN		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 1	hr
ACTUAL PROCESS HOUR	.S		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 1	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0 1	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
SORTER NONAVAILABLE	ЕПМЕ		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0 1	hr
AUTHORIZED DELAY TI	ME		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0 1	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		19	9-Sep-94		Excu	ised Delays for da	ay (sorter	-hrs)	40 1	hr
Contract day (from 6 Sep)			313		Excu	sed delays for co	ntract (so	orter-hrs)	6,179 1	hr
Current Contract week			53		Excu	ised delay days (p	olant – da	vs)	154 0	days
					Excu	ised delay months	s (plant –	month)	5.94 1	months
Soil production for Day			0 M	Γ						
Cumlative Soil Production for	Week		0 M	Γ	Perc	ent of contract co	mpleted		57.3%	
Total Soil production for cont	ract				Tons	Ahead or Behin	d Schedu	ile	1,677 1	MT
Since 6 Sep			55,676 M	Γ	Days	ahead or behind	schedule	:	5.3 c	days
Since 6 Au	_		57,267 M							
Total Soil production for proj	ect		83,554 MT	Γ						

WORK DAY START	00:00	AM	WORK DAY E	ND	00:00 PM	
LUNCH START	00:00	AM	TIME LOST D	URING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE HO	OURS	0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSIN	G	NA	NA	NA	NA	
TIME REQUIRED TO START-UP		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SH	UT DOWN	0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABL	ETIME	10.0 h	r 10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T	IME	10.0 h	r 10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		20-Sep-94	Ехс	used Delays for d	ay (sorter-hrs)	40 hr
Contract day (from 6 Sep)		314	Exc	used delays for co	ontract (sorter-hrs)	6,219 hr
Current Contract week		53	Exc	used delay days (1	plant – days)	155 days
			Exc	used delay month	s (plant-month)	5.98 months
Soil production for Day		0 M	1T			
Cumlative Soil Production for	r Week	0 N	fT Per	cent of contract co	ompleted	57.3%
Total Soil production for cor	itract		Ton	s Ahead or Behin	nd Schedule	1,677 MT
Since 6 So	p 93	55,676 M	IT Day	s ahead or behind	d schedule	5.3 days
Since 6 A	ug 93	57,267 M	IT			
Total Soil production for pro	ject	83,554 M	IT			

WORK DAY START	00:00	AM WORK DAY END				00:00	PM			
LUNCH START	00:00	AM		TIME LOST	rdui	RING LUNC	н ().0 HR		
		SORTER	1	SORTER	2	SORTER 3	SOR	TER 4	TOTAL	
WORK HOURS		0.0) hr	0.0	hr	0.0 hr	().0 hr	0.0	,
SORTER AVAILABLE HO	URS	0.0) hr	0.0	hr	0.0 hr	().0 hr	0.0	hr
SORTER START-UP		NA		NA		NA	1	IA		
START SOIL PROCESSING	G	NA		NA		NA	N	ĪΑ		
TIME REQUIRED TO STA	RT-UP	0.0) hr	0.0	hr	0.0 hr	().0 hr	0.0	hr
SORTER SHUT-DOWN		NA		NA		NA	N	IA		
END SOIL PROCESSING	NA	1	NA		NA	N	IA			
TIME REQUIRED TO SHI	JT DOWN	0.0	hr	0.0	hr	0.0 hr	().0 hr	0.0	hr
ACTUAL PROCESS HOUR	RS	0.0) hr	0.0	hr	0.0 hr	().0 hr	0.0	hr
DOWN-TIME		0.0) hr	0.0	hr	0.0 hr	().0 hr	0.0	hr
SYSTEM PAUSE		0.0) hr	0.0	hr	0.0 hr	().0 hr	0.0	hr
SORTER NONAVAILABL	ЕТІМЕ	10.0) hr	10.0	hr	10.0 hr	10).0 hr	40.0	hr
AUTHORIZED DELAY T	ME	10.0) hr	10.0	hr	10.0 hr	10).0 hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		21-Sep-94	ļ		Excus	ed Delays for	day (sor	er-hrs)	40	hr
Contract day (from 6 Sep)		315	;		Excus	ed delays for	contract	(sorter-hrs)	6,259	hr
Current Contract week		53	3		Excus	ed delay days	(plant-	lays)	156	days
					Excus	ed delay mor	ths (plant	-month)	6.02	months
Soil production for Day		C	MT	•						
Cumlative Soil Production fo	r Week	C	MT	•	Perce	nt of contract	complete	d	57.3%	
Total Soil production for con	tract				Tons .	Ahead or Bel	nind Sche	dule	1,677	MT
Since 6 Se	p 93	55,676	MT		Days :	ahead or beh	ind sched	ulc	5.3	days
Since 6 Au	ıg 93	57,267	МТ							
Total Soil production for pro	ject	83,554	MT	•						

WORK DAY START	00:00	AM	WORK DAY	END	00:00 PM	
LUNCH START	00:00	AM	TIME LOST	DURING LUNCH	0.0 HR	
		SORTER 1	SORTER	2 SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		0.0	hr 0.0 h	o.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	OURS	0.0	hr 0.0 h	or 0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA NA	NA	
START SOIL PROCESSIN	₹G	NA	NA	NA	NA	
TIME REQUIRED TO ST	ART-UP	0.0	hr 0.0 h	r 0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING	1	NA	NA	NA	NA	
TIME REQUIRED TO SH	IUT DOWN	0.0	hr 0.0 h	o.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	JRS	0.0	hr 0.0 h	r 0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0	hr 0.0 h	r 0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0	hr 0.0 h	r 0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILAB	LETIME	10.0	hr 10.0 h	r 10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY	пме	10.0	hr 10.0 h	r 10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE	:					NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		22-Sep-94	F	Excused Delays for o	day (sorter – hrs)	40 hr
Contract day (from 6 Sep)		316	H	excused delays for c	ontract (sorter-hrs)	6,299 hr
Current Contract week		53	F	excused delay days (plant-days)	157 days
			F	Excused delay month	hs (plant-month)	6.06 months
Soil production for Day		0	MT			
Cumlative Soil Production	for Week	0	MT F	ercent of contract of	completed	57.3%
Total Soil production for co	ontract		7	Tons Ahead or Behi	nd Schedule	1,677 MT
Since 6 S	Sep 93	55,676	MT I	Days ahead or behin	d schedule	5.3 days
Since 6	Aug 93	57,267	MT			
Total Soil production for pr	oject	83,554	MT			

WORK DAY START	00:00	AM		WORK DA	Y EN	D	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	וטם ז	RING LUNCH	0.0	HR		
e e		S	SORTER 1	SORTE	2 2	SORTER 3	SORT	ER 4	TOTAL	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	•
SORTER AVAILABLE H	ours		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP			NA	NA		NA	N/	\		
START SOIL PROCESSIN	IG		NA	NA		NA	N/	A		
TIME REQUIRED TO ST			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	N/	4		
END SOIL PROCESSING			NA	NA		NA	N/	4		
TIME REQUIRED TO SH		0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0	hr	
ACTUAL PROCESS HOURS			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0	hr
SORTER NONAVAILAB	LETIME		10.0 hr	10.0	hr	10.0 hr	10.	0 hr	40.0	hr
AUTHORIZED DELAY	пме		10.0 hr	10.0	hr	10.0 hr	10.	0 hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		23	-Sep-94		Excu	sed Delays for d	lay (sorte	er – hrs)	40	hr
Contract day (from 6 Sep)			317		Excu	sed delays for co	ontract (s	orter-hrs)	6,339	hr
Current Contract week			53		Excu	sed delay days (plant – da	ays)	158	days
					Excu	sed delay montl	ns (plant-	-month)	6.10	months
Soil production for Day			0 M	T						
Cumlative Soil Production	or Week		0 M	Т	Perce	ent of contract of	omplete	1	57.3%	
Total Soil production for co	ntract				Tons	Ahead or Behi	nd Sched	ulc	1,677	MT
Since 6 S	Sep 93		55,676 M	Т	Days	ahead or behin	d schedu	le	5.3	days
Since 6 A	Aug 93		57,267 M	Т						
Total Soil production for pr	oject		83,554 M	Т						

WORK DAY START	00:00	AM	WORK DAY END				00:00	PM		
LUNCH START	00:00	AM		TIMELOS	TDU	RING LUNCH	0.0) HR		
		SORT	TER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL	
									(sorter l	ours)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER AVAILABLE HOU	RS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP			NA	NA		NA	NA			
START SOIL PROCESSING	START SOIL PROCESSING		NA	NA		NA	NA			
TIME REQUIRED TO START-UP			0.0 hr	0.0	hr	0.0 hr	0.0) pr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	NA			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SHUT	DOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOURS			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILABLE	ПМЕ		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY TIM	E		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		24-Sep	-94		Excus	sed Delays for d	ay (sortei	-hrs)	40	hr
Contract day (from 6 Sep)			318		Excus	sed delays for co	ntract (se	orter-hrs)	6,379	hr
Current Contract week			53		Excus	sed delay days (p	olant – da	ys)	159	days
					Excus	sed delay month	s (plant –	month)	6.13	months
Soil production for Day			0 MT	Γ						
Cumlative Soil Production for V	Veck		0 MT	٢	Perce	ent of contract co	ompleted		57.3%	
Total Soil production for contra	ıcı				Tons	Ahead or Behin	d Schedu	ile	1,677	MT
Since 6 Sep 9	93	55	,676 MT		Days	ahead or behind	l schedule	:	5.3	days
Since 6 Aug	93	57	,267 MT							
Total Soil production for project	:t	83	,554 MT							

WORK DAY START LUNCH START	00:00 00:00	AM AM		WORK DA		ID RING LUNCH	00:00	PM HR		
		so	ORTER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL	
									(sorter h	•
WORK HOURS			0.0 hr		hr	0.0 hr		0 hr 0 hr	0.0	
SORTER AVAILABLE H	OURS		0.0 hr		hr	0.0 hr	•		0.0	HI
SORTER START-UP		NA NA 0.0 hr				NA	NA NA 0.0 hr NA	0.0 hr		
START SOIL PROCESSIN						NA			h	
TIME REQUIRED TO ST	ART-UP					0.0 hr			nr	
SORTER SHUT-DOWN			NA	NA		NA		_		
END SOIL PROCESSING			NA	NA		NA	N/	_	0.0	
TIME REQUIRED TO SH			0.0 hr		hr	0.0 hr	-	0 hr	0.0	
ACTUAL PROCESS HOU	RS		0.0 hr		hr	0.0 hr	•	0 hr	0.0	
DOWN-TIME			0.0 hr		hr	0.0 hr	•	0 hr	0.0	
SYSTEM PAUSE			0.0 hr		hr	0.0 hr		0 hr	0.0	•
SORTER NONAVAILAB			10.0 hr	10.0		10.0 hr		0 hr	40.0	
AUTHORIZED DELAY			10.0 hr	10.0) hr	10.0 hr	10.	0 hr	40.0	nr
PLANT PERFORMANCE				•					NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		26-	-Sep-94		Exc	used Delays for d	lay (sorte	er-hrs)	40	hr
Contract day (from 6 Sep)			319		Exc	used delays for co	ontract (s	sorter-hrs)	6,419	hr
Current Contract week			54		Exc	used delay days (plant – da	ays)	160	days
					Exc	used delay month	ıs (plant	-month)	6.17	months
Soil production for Day			0 M	Т						
Cumlative Soil Production	for Week		0 M	T	Pero	cent of contract c	omplete	d	57.3%	
Total Soil production for co	ontract				Ton	s Ahead or Behir	nd Sched	lule	1,677	MT
Since 6 S	Sep 93		55,676 M	Т	Day	s ahead or behin	d schedu	le	5.3	days
Since 6 A	Aug 93		57,267 M	Т						
Total Soil production for pr	roject		83,554 M	Т						

WORK DAY START	00:00	AM	WORK DAY I	END	00:00 PM	
LUNCH START	00:00	AM	TIME LOST D	URING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		0.0	hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE HO	ours	0.0	hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSIN	G	NA	NA	NA	NA	
TIME REQUIRED TO ST.	ART-UP	0.0	hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SH	UT DOWN	0.0 1	hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	RS	0.0 1	hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 1	hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 1	hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABL	ЕТІМЕ	10.0 1	nr 10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T	IME	10.0 1		10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE				2010 111	10.0 11	NA
PRODUCTIVTY		•				NA
						••••
PRODUCTIVITY						
Date		27-Sep-94	Exc	used Delays for da	ny (sorter – hrs)	40 hr
Contract day (from 6 Sep)		320	Exc	used delays for con	ntract (sorter-hrs)	6,459 hr
Current Contract week		54	Exc	used delay days (p	lant – days)	161 days
			Exc	used delay months	(plant-month)	6.21 months
Soil production for Day		0 N	ИT			
Cumlative Soil Production for	r Week	0 N	AT Per	cent of contract co	mpleted	57.3%
Total Soil production for con	tract		Tor	s Ahead or Behind	d Schedule	1,677 MT
Since 6 Se	p 93	55,676 N	AT Day	s ahead or behind	schedule	5.3 days
Since 6 A	ıg 93	57,267 N	AT			
Total Soil production for pro	ject	83,554 N	AT.			

WORK DAY START	00:00	AM	WORK DAY EN	ND	00:00 PM	
LUNCH START	00:00	AM	TIME LOST DU	RING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	OURS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA NA	
START SOIL PROCESSIN	IG	NA	NA	NA		
TIME REQUIRED TO ST	ART-UP	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SH	IUT DOWN	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	RS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILAB	LETIME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY	пме	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA
PRODUCTIVTY						NA
PRODUCTIVITY		•				
Date		28-Sep-94	Excı	sed Delays for d	lav (sorter – hrs)	40 hr
Contract day (from 6 Sep)		321		-	ontract (sorter-hrs)	6,499 hr
Current Contract week		54		sed delay days (•	162 days
				, , ,	ns (plant-month)	6.25 months
Soil production for Day		0 M		, , , , , , , , , , , , , , , , , , , ,	()	
Cumlative Soil Production f	or Week	0 M7	r Perc	ent of contract c	ompleted	57.3%
Total Soil production for co	ntract		Tons	Ahead or Behin	nd Schedule	1,677 MT
Since 6 S		55,676 MT	T Days	ahead or behin	d schedule	5.3 days
Since 6 Aug 93		57,267 MT	-			•
Total Soil production for pr	oject	83,554 MT				
•	-					

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WORK DAY START 00:00				WORK DA	Y EN	TD .	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	TDU	RING LUNCH	0.0	HR		
		:	SORTER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	_
SORTER AVAILABLE HO	URS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP			NA	NA		NA	NA.			
START SOIL PROCESSIN	G		NA	NA		NA	NA.	L		
TIME REQUIRED TO STA	ART-UP		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	N.A			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SHI	JT DOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILABL	ЕТІМЕ		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY T	ME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY			•						NA	
PRODUCTIVITY										
					_	15.1			40	
Date		29	-Sep-94			sed Delays for da		,	40	
Contract day (from 6 Sep)			322 54			sed delays for co	•	-	6,539	
Current Contract week			34			sed delay days (p		,		days months
Soil production for Day			0 M	г	Excu	sed delay month	s (piani-	month	0.29	months
Cumlative Soil Production for	. Week		0 M7		Perce	ent of contract co	mnleted		57.3%	
Total Soil production for con			0 141	•		Ahead or Behin	•		1.677	мт
•			55,676 MT	r		ahead or behind			•	days
Since 6 Sep 93 Since 6 Aug 93			57,267 MT		Days	ancad or oclinic	. 		2.2	aays
Total Soil production for pro	_		83,554 MT							
rotal son production for pro	jeet		1VI PECINECO							

WORK DAY START 00:00		AM	WORK DAY E	ND	00:00 PM	
LUNCH START	00:00	AM	TIME LOST D	URING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE H	ours	0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSII	NG	NA	NA	NA	NA	
TIME REQUIRED TO ST	TART-UP	0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING	}	NA	NA	NA	NA	
TIME REQUIRED TO SE	TUT DOWN	0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOL	JRS .	0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 h	r 0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILAB	LETIME	10.0 h	r 10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY	пме	10.0 h	r 10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE	3					NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		30-Sep-94	Exc	cused Delays for o	lay (sorter-hrs)	40 hr
Contract day (from 6 Sep)		323	Exc	cused delays for c	ontract (sorter-hrs)	6,579 hr
Current Contract week		54	Exc	cused delay days (plant – days)	164 days
			Exc	cused delay montl	ns (plant-month)	6.33 months
Soil production for Day		0 N	AT			
Cumlative Soil Production	for Week	0 N	AT Per	reent of contract of	ompleted	57.3%
Total Soil production for co	ontract		To	ns Ahead or Behi	nd Schedule	1,677 MT
Since 6	Sep 93	55,676 N	AT Da	ys ahead or behin	d schedule	5.3 days
Since 6	Aug 93	57,267 N	ΛT			
Total Soil production for pr	roject	83,554 N	I T			

WORK DAY START	AM		WORK DA	Y EN	D	00:00	PM			
LUNCH START	00:00	AM		TIMELOS	TDU	RING LUNCH	0.0	HR		
		so	RTER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL	-
WORK HOURS			0.0 hr	0.0	br	0.0 hr	0.0) hr	0.0	,
SORTER AVAILABLE HO	ours		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP			NA	NA		NA	NA			
START SOIL PROCESSIN	IG		NA	NA		NA	NA			
TIME REQUIRED TO ST.	ART-UP		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	NA			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SH	UTDOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hг
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
SORTER NONAVAILABI	ETIME		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0	hr
AUTHORIZED DELAY T	1ME		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0	þг
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		01-0	Oct-94		Excus	sed Delays for da	ay (sorte:	-hrs)	40	hr
Contract day (from 6 Sep)			324		Excus	ed delays for co	ntract (se	orter-hrs)	6,619	hr
Current Contract week			54		Excus	ed delay days (p	olant – da	ys)	165	days
					Excus	ed delay month	s (plant –	month)	6.36	months
Soil production for Day			0 M7	Γ						
Cumlative Soil Production for	or Week		0 M7	Γ	Perce	nt of contract co	mpleted		57.3%	
Total Soil production for cor	ntract				Tons .	Ahead or Behin	d Schedu	le	1,677	MT
Since 6 Se	p 93		55,676 MT	Γ	Days a	ahead or behind	schedule	:	5.3	days
Since 6 A	ug 93		57,267 MT	Γ						
Total Soil production for pro	oject		83,554 MT	Γ						

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WORK DAY START				WORK DAY	END	00:00 PM	
LUNCH START	00:00	AM		TIMELOSTI	URING LUNCH	0.0 HR	
		5	SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
							(sorter hours)
WORK HOURS			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE HO	OURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP			NA	NA	NA	NA	
START SOIL PROCESSIN	G		NA	NA	NA	NA	
TIME REQUIRED TO ST.	ART-UP		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN			NA	NA	NA	NA	
END SOIL PROCESSING			NA	NA	NA	NA	
TIME REQUIRED TO SH	UT DOWN		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABI	ETIME		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T	IME		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE							NA
PRODUCTIVIY							NA
PRODUCTIVITY							
Date		03	-Oct-94	Ex	cused Delays for d	ay (sorter—hrs)	40 hr
Contract day (from 6 Sep)			325	Ex	cused delays for co	ntract (sorter-	hrs) 6,659 hr
Current Contract week			55	Ex	cused delay days (p	olant-days)	166 days
				Ex	cused delay month	s (plant-mont)	h) 6.40 months
Soil production for Day			0 MT	•			
Cumlative Soil Production for	or Week		0 MT	Pe	rcent of contract co	ompleted	57.3%
Total Soil production for cor	itract			To	ons Ahead or Behin	d Schedule	1,677 MT
Since 6 Se	p 93		55,676 MT	Da	ys ahead or behind	schedule	5.3 days
Since 6 A	ug 93		57,267 MT	•			
Total Soil production for pro	ject		83,554 MT	•			

WORK DAY START	00:00	АМ	WORK DAY E	ND	00:00 PM	-
LUNCH START	00:00	AM	TIME LOST DU	JRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE HO	URS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP		NA	NA	NA	NA	
START SOIL PROCESSING	3	NA	NA	NA	NA	
TIME REQUIRED TO STA	RT-UP	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN		NA	NA	NA	NA	
END SOIL PROCESSING		NA	NA	NA	NA	
TIME REQUIRED TO SHU	JT DOWN	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOUR	lS.	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABLE	ETIME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY TI	ME	10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA
PRODUCTIVTY						NA
PRODUCTIVITY						
Date		04-Oct-94	Ехсі	ised Delays for da	y (sorter – hrs)	40 hr
Contract day (from 6 Sep)		326	Ехси	sed delays for co	ntract (sorter-hrs)	6,699 hr
Current Contract week		55	Ехсі	ised delay days (p	lant-days)	167 days
			Excu	ised delay months	(plant-month)	6.44 months
Soil production for Day		0 M7	Γ			
Cumlative Soil Production for	Week	0 M7	r Perc	ent of contract co	mpleted	57.3%
Total Soil production for cont	ract		Tons	Ahead or Behine	d Schedule	1,677 MT
Since 6 Sep	93	55,676 MT	Γ Days	ahead or behind	schedule	5.3 days
Since 6 Au	g 93	57,267 MT	Γ			
Total Soil production for project	ect	83,554 MT	Ļ			

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WORK DAY START 00:00				WORK DA	Y EN	D	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	r DU	RING LUNCH	0.0	HR		
		S	ORTER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL (sorter hours)	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr	
SORTER AVAILABLE HO	URS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr	
SORTER START-UP			NA	NA		NA	NA.	\		
START SOIL PROCESSING	3		NA	NA		NA	N.A	\		
TIME REQUIRED TO STA			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr	
SORTER SHUT-DOWN			NA	NA		NA	N.A	1		
END SOIL PROCESSING			NA	NA		NA	N/	1		
TIME REQUIRED TO SHU	JT DOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr	
ACTUAL PROCESS HOUR			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr	
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr	
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr	
SORTER NONAVAILABL	ЕТІМЕ		10.0 hr	10.0	hr	10.0 hr	10.0	0 hr	40.0 hr	
AUTHORIZED DELAY T	ME		10.0 hr	10.0	hr	10.0 hr	10.	D hr	40.0 hr	
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		05-	-Oct-94		Excu	sed Delays for d	ay (sorte	r-hrs)	40 hr	
Contract day (from 6 Sep)			327		Excu	sed delays for co	ntract (s	orter-hrs)	6,739 hr	
Current Contract week			55		Excu	ised delay days (p	plant – da	ıys)	168 days	
					Excu	sed delay month	s (plant-	-month)	6.48 months	
Soil production for Day			0 M	Τ						
Cumlative Soil Production for	r Week		0 M	Γ	Perce	ent of contract co	ompleted	ì	57.3%	
Total Soil production for con						Ahead or Behin			1,677 MT	
Since 6 Se	p 93		55,676 M		Days	ahead or behind	i schedu	le	5.3 days	
Since 6 A			57,267 M							
Total Soil production for pro	ject		83,554 M	T						

WORK DAY START 00:00 LUNCH START 00:00				WORK DA		ID IRING LUNCH	00:00	PM HR		
DOMONION B	00.00	AM	conmen s	SORTE		SORTER 3	SORT	CD 4	TOTAL	
			SORTER 1	SURTE	K Z	SORTER 3	SOK I	EJK 4	(sorter)	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	,
SORTER AVAILABLE HO	IRS		0.0 hr		br	0.0 hr	•) hr	0.0	
SORTER AVAILABLE HOURS SORTER START-UP			NA	NA NA		NA	N/		0.0	
START SOIL PROCESSING	;		NA	NA.		NA	NA			
TIME REQUIRED TO STA			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	N.A			
END SOIL PROCESSING			NA	NA		NA	N.A			
TIME REQUIRED TO SHU	TDOWN		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOUR	.s		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILABLE	ETIME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY TI	ME		10.0 hr	10.0	hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		06	6-Oct-94		Excu	sed Delays for da	ay (sorte	-hrs)	40	hr
Contract day (from 6 Sep)			328		Excu	sed delays for co	ntract (s	orter-hrs)	6,779	hr
Current Contract week			55		Excu	sed delay days (p	lant – da	ys)	169	days
					Excu	sed delay month:	s (plant-	month)	6.52	months
Soil production for Day			0 M7	Γ						
Cumlative Soil Production for	Week		0 MT	Γ	Perc	ent of contract co	mpleted		57.3%	
Total Soil production for cont	ract				Tons	Ahead or Behin	d Schedi	ıle	1,677	MT
Since 6 Sep 93			55,676 MT	Γ	Days	ahead or behind	schedul	e	5.3	days
Since 6 Au	•		57,267 MT	Γ						
Total Soil production for proj	ect		83,554 MT	r						

WORK DAY START	00:00	AM		WORK DA	Y EN	ID	00:00	PM	
LUNCH START	00:00	AM				RING LUNCH		HR	
<u> </u>									
			SORTER 1	SORTE	₹2	SORTER 3	SORT	ER 4	TOTAL
									(sorter hours)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) br	0.0 hr
SORTER AVAILABLE H	OURS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0 hr
SORTER START-UP			NA	NA NA		NA	N.A	A	
START SOIL PROCESSING			NA	NA		NA	N/	A	
TIME REQUIRED TO START-UP			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 hr
SORTER SHUT-DOWN			NA	NA		NA	N/	A	
END SOIL PROCESSING			NA	NA		NA	N/	4	
TIME REQUIRED TO SH	UT DOWN		0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0	0 hr	0.0 hr
SORTER NONAVAILAB	LETIME		10.0 hr	10.0	hr	10.0 hr	10.	0 hr	40.0 hr
AUTHORIZED DELAY	пме		10.0 hr	10.0	hr	10.0 hr	10.	0 hr	40.0 hr
PLANT PERFORMANCE									NA
PRODUCTIVTY									NA
•									
PRODUCTIVITY						•			
Date		07	7-Oc1-94		Excu	ised Delays for d	ay (sorte	r-hrs)	40 hr
Contract day (from 6 Sep)			329		Excu	sed delays for co	ntract (s	orter-hrs)	6,819 hr
Current Contract week			55		Excu	ised delay days (1	plant – da	ıys)	170 days
					Excu	ised delay month	s (plant-	-month)	6.56 months
Soil production for Day			0 M	Т					
Cumlative Soil Production	or Week		0 M	T	Perc	ent of contract co	ompleted	i	57.3%
Total Soil production for co	ntract				Tons	Ahead or Behir	d Sched	ule	1,677 MT
Since 6.5	Sep 93		55,676 M	Т	Days	ahead or behind	d schedu	le	5.3 days
Since 6 A	Aug 93		57,267 M	Т					
Total Soil production for pr	oject		83,554 M	T					
-									

WORK DAY START	00:00	AM		WORK DA	YEN	D	00:00 PM	
LUNCH START	00:00	AM				RING LUNCH	0.0 HR	
			SORTER 1	SORTE	R 2	SORTER 3	SORTER 4	TOTAL
								(sorter hours)
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE HO	JRS		0.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 hr
SORTER START-UP			NA	NA		NA	NA	
START SOIL PROCESSING	i		NA	NA		NA	NA	
TIME REQUIRED TO STA	RT-UP		0.0 hr	0.0	hг	0.0 hr	0.0 hr	0.0 hr
SORTER SHUT-DOWN			NA	NA		NA	NA	
END SOIL PROCESSING			NA	NA		NA	NA	
TIME REQUIRED TO SHU	T DOWN		0.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOUR	S		0.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABLE	TIME		10.0 hr	10.0	hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY TIM	ME		10.0 hr	10.0	hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE								NA
PRODUCTIVTY								NA
•								
PRODUCTIVITY								
Date		08	-Oct-94		Excus	ed Delays for da	v (sorter – hrs)	40 hr
Contract day (from 6 Sep)			330			•	ntract (sorter-hrs)	6,859 hr
Current Contract week			55			ed delay days (p	, ,	171 days
							(plant-month)	6.60 months
Soil production for Day			0 MT	•		•	. ,	
Cumlative Soil Production for	Week		0 MT	•	Perce	nt of contract co	mpleted	57.3%
Total Soil production for contr	act				Tons A	Ahead or Behine	d Schedule	1,677 MT
Since 6 Sep	93		55,676 MT		Days a	ahead or behind	schedule	5.3 days
Since 6 Aug	93		57,267 MT					
Total Soil production for proje	ct		83,554 MT	•				

WORK DAY START	00:00	AM		WORK DA	Y EN	1D	00:00	PM		
LUNCH START	00:00	AM		TIMELOS	T DU	RING LUNCH	0.0	HR		
		so	RTER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL	•
									(sorter)	,
WORK HOURS			0.0 hr	0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER AVAILABLE H	OURS		0.0 hr	0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP			NA	N/		NA	NA	\		
START SOIL PROCESSIN	IG		NA	N/		NA	NA	1		
TIME REQUIRED TO ST	ART-UP		0.0 hr	0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN			NA	N/	.	NA	NA	1		
END SOIL PROCESSING			NA	N/		NA	NA	1		
TIME REQUIRED TO SH	UT DOWN		0.0 hr	0.0) hr	0.0 hr	0.0) hr	0.0	þг
ACTUAL PROCESS HOU	RS		0.0 hr	0.0) hr	0.0 hr	0.0) hr	0.0	hr
DOWN-TIME			0.0 hr	0.0) hr	0.0 hr	0.0) hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILAB	LETIME		10.0 hr	10.0) hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY	пме		10.0 hr	10.0) hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
•										
PRODUCTIVITY										
Date		10-6	Oct-94		Eve	ised Delays for d	ov (corte	r_hre)	40	hr
Contract day (from 6 Sep)		10-1	331			ised Delays for co	• •	,	6,899	
Current Contract week			56			ised delays for ed ised delay days (j	,	,	•	days
Current Contract week			50			ised delay days () ised delay month		. ,		months
Soil production for Day			0 M	Γ		·	``	,		
Cumlative Soil Production f	or Week		0 M	Γ	Perc	ent of contract co	ompleted	l	57.3%	
Total Soil production for co	ntract				Tons	Ahead or Behin	d Sched	ulc	1,677	MT
Since 6 S	ep 93		55,676 MT	Г	Days	s ahead or behind	l schedul	e	5.3	days
Since 6 A	Aug 93		57,267 MT	Γ						
Total Soil production for pr	oject		83,554 MT	Γ						

WORK DAY START 00:00 LUNCH START 00:00		AM AM						PM HR		
		S	SORTER 1	SORTE	R 2	SORTER 3	SORT	ER 4	TOTAL	
WORK HOURS			0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	,
SORTER AVAILABLE HO	URS		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	
SORTER START-UP			NA	NA		NA	NA			-
START SOIL PROCESSING	3		NA	NA		NA	NA			
TIME REQUIRED TO STA	RT-UP		0.0 hr	0.0	hr	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN			NA	NA		NA	NA			
END SOIL PROCESSING			NA	NA		NA	NA			
TIME REQUIRED TO SHU	T DOWN		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
ACTUAL PROCESS HOUR	S		0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
DOWN-TIME			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0	hr	0.0 hr	0.0	hr	0.0	
SORTER NONAVAILABLE	ЕТІМЕ		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0	
AUTHORIZED DELAY TI	ME		10.0 hr	10.0	hr	10.0 hr	10.0	hr	40.0	
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date		11-	-Oct-94		Excused	d Delays for da	y (sorter	-hrs)	40	hr
Contract day (from 6 Sep)			332		Excuse	d delays for co	ntract (so	rter-hrs)	6,939	hr
Current Contract week			56			d delay days (p			173	days
					Excused	delay months	(plant-	month)	6.67	months
Soil production for Day			0 MT	Γ						
Cumlative Soil Production for	Week		0 MT		Percent	of contract co	mpleted		57.3%	
Total Soil production for cont	ract				Tons Al	head or Behine	d Schedu	le	1,677	мт
Since 6 Sep	93		55,676 MT		Days ah	ead or behind	schedule		5.3	days
Since 6 Au	g 93		57,267 MT	•						
Total Soil production for proje	ect		83,554 MT	•						

WORK DAY START	00:00	AM		WORK DAY	END	00:00	PM		
LUNCH START	00:00	AM		TIME LOST	DURING LUNCH	.O.	D HR		
		5	ORTER 1	SORTER 2	SORTER 3	SORT	ER 4	TOTAL	
								(sorter l	,
WORK HOURS			0.0 hr	0.0 h	-		0 hr	0.0	
SORTER AVAILABLE H	OURS		0.0 hr	0.0 h			0 hr	0.0	hr
SORTER START-UP			NA	NA	NA	N/			
START SOIL PROCESSIN			NA	NA	NA	N/	_		
TIME REQUIRED TO ST	ART-UP		0.0 hr	0.0 h		0.	0 hr	0.0	hr
SORTER SHUT-DOWN			NA	NA	NA	N/	A		
END SOIL PROCESSING			NA	NA	NA	N/	-		
TIME REQUIRED TO SH	UTDOWN		0.0 hr	0.0 h	r 0.0 hr	0.	0 hr	0.0	
ACTUAL PROCESS HOU	RS		0.0 hr	0.0 h	0.0 hr		0 hr	0.0	
DOWN-TIME			0.0 hr	0.0 h	r 0.0 hr	0.	0 hr	0.0	hr
SYSTEM PAUSE			0.0 hr	0.0 h	r 0.0 hr	0.	0 hr	0.0	hr
SORTER NONAVAILABI	ETIME		10.0 hr	10.0 h	r 10.0 hr	10.	0 hr	40.0	hr
AUTHORIZED DELAY T	IME		10.0 hr	10.0 h	r 10.0 hr	10.	0 hr	40.0	hr
PLANT PERFORMANCE								NA	•
PRODUCTIVTY								NA	•
PRODUCTIVITY									
Date		12	-Oct-94	E	xcused Delays for	day (sorte	r – hrs)	40	hr
Contract day (from 6 Sep)			333	E	xcused delays for o	contract (s	orter-hrs)	6,979	hr
Current Contract week			56	Е	xcused delay days	(plant – da	ıys)	174	days
				E	xcused delay mont	hs (plant-	month)	6.71	months
Soil production for Day			0 M	Г					
Cumlative Soil Production f	or Week		0 M	r P	ercent of contract	completed	i	57.3%	
Total Soil production for co	ntract			Т	ons Ahead or Beh	ind Sched	ule	1,677	MT
Since 6 S	ep 93		55,676 M	r D	ays ahead or behi	nd schedu	le	5.3	days
Since 6 A	ug 93		57,267 M	Г					
Total Soil production for pro-	oject		83,554 M	Γ					

WORK DAY START	00:00	AM	WORK D			00:00	PM		
LUNCH START	00:00	AM	TIMELOS	ST DURI	NG LUNCH	0.0	HR		
		SORTER 1	SORTE	R2	SORTER 3	SORT	ER 4	TOTAL	
								(sorter	hours)
WORK HOURS		0.0	hr 0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER AVAILABLE HO	URS	0.0	hr 0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER START-UP		NA	N/		NA	NA	\		
START SOIL PROCESSING	3	NA	N.A	\	NA	N.A	`		
TIME REQUIRED TO STA	RT-UP	0.0	hr 0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER SHUT-DOWN		NA	N/		NA	NA	1		
END SOIL PROCESSING		NA	NA.	X	NA	NA			
TIME REQUIRED TO SHU	TDOWN	0.0 1	hr 0.0) hr	0.0 hr	0.0) hr	0.0	hr
ACTUAL PROCESS HOUR	.S	0.0	hr 0.0) hr	0.0 hr	0.0) hr	0.0	hr
DOWN-TIME		0.0 1	hr 0.0) hr	0.0 hr	0.0) hr	0.0	br
SYSTEM PAUSE		0.0 1	hr 0.0) hr	0.0 hr	0.0) hr	0.0	hr
SORTER NONAVAILABLE	ЕТІМЕ	10.0 1	hr 10.0) hr	10.0 hr	10.0) hr	40.0	hr
AUTHORIZED DELAY TI	ME	10.0 1	hr 10.0) hr	10.0 hr	10.0) hr	40.0	hr
PLANT PERFORMANCE								NA	
PRODUCTIVTY								NA	
PRODUCTIVITY									
_				_					
Date		13-Oct-94			Delays for da	•	,	40	
Contract day (from 6 Sep)		334			delays for co	•		7,019	
Current Contract week		56			l delay days (p		,		days
				Excused	delay months	s (plant –	month)	6.75	months
Soil production for Day		•	TM	_					
Cumlative Soil Production for		0 1	MT		of contract co	•		57.3%	
Total Soil production for cont			•••		nead or Behin			1,677	
Since 6 Sep		55,676 1		Days ah	ead or behind	schedule	•	5.3	days
Since 6 Au	•	57,267 N							
Total Soil production for proje	ect	83,554 1	M. I.						

WORK DAY START	00:00	AM		WORK DAY	ENI)	00:00	PM		
LUNCH START	00:00	AM		TIME LOST	DUF	RING LUNCH	0.0	HR		,
			SORTER 1	SORTER	2	SORTER 3	SORT	ER 4	TOTAL	
			BOK ILAC I						(sorter hou	ırs)
WORK HOURS			0.0 hr	0.0 h	ıΓ	0.0 hr	0.0) hr	0.0 hr	
SORTER AVAILABLE H	ours		0.0 hr	0.0 1	ar	0.0 hr	0.0) hr	0.0 hr	
SORTER START-UP			NA	NA		NA	N.A			
START SOIL PROCESSIN	IG .		NA	NA		NA	N.A			
TIME REQUIRED TO ST			0.0 hr	0.0 1	ar	0.0 hr	0.0) hr	0.0 hr	•
SORTER SHUT-DOWN			NA	NA		NA	NA	\		
END SOIL PROCESSING			NA	NA		NA	N/	\		
TIME REQUIRED TO SH			0.0 hr	0.0 1	hr	0.0 hr	0.0) hr	0.0 hr	
ACTUAL PROCESS HOU			0.0 hr	0.0 1	hr	0.0 hr	0.0) hr	0.0 hr	•
DOWN-TIME			0.0 hr	0.0 1	hr	0.0 hr	0.0) hr	0.0 hr	•
SYSTEM PAUSE			0.0 hr	0.0 1	hr	0.0 hr	0.0) hr	0.0 hr	r
SORTER NONAVAILAB	LETIME		10.0 hr	10.0 1	hr	10.0 hr	10.	0 hr	40.0 hr	r
AUTHORIZED DELAY			10.0 hr	10.0 1	hr	10.0 hr	10.	0 hr	40.0 hr	
PLANT PERFORMANCE									NA	
PRODUCTIVTY									NA	
PRODUCTIVITY										
Date			14-Oct-94	1	Excus	sed Delays for d	ay (sorte	r-hrs)	40 h	г
Contract day (from 6 Sep)			335		Excu	sed delays for co	ontract (s	orter-hrs)	7,059 hi	r
Current Contract week			56	1	Excu	sed delay days (plant – da	ays)	176 da	ays
					Excu	sed delay month	s (plant-	-month)	6.79 m	onths
Soil production for Day			0 MT	•						
Cumlative Soil Production	for Week		0 MT	•	Perce	ent of contract c	omplete	i	57.3%	
Total Soil production for co	ontract			•	Tons	Ahead or Behin	nd Sched	ule	1,677 M	1T
Since 6	Sep 93		55,676 MT	•	Days	ahead or behin	d schedu	le	5.3 d	ays
Since 6	Aug 93		57,267 MT	•						
Total Soil production for pr	:		83,554 MT	•						

WORK DAY START 00:00 LUNCH START 00:00		AM AM				00:00 PM 0 HR	
			SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
WORKHOIDS			00 1-	0.0 hr	0.0 hr	0.0 hr	(sorter hours)
WORK HOURS	ATD C		0.0 hr 0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER AVAILABLE HO	OUKS		NA	NA	v.o nr NA	V.U nr NA	U.U AF
SORTER START-UP	<u>-</u>		NA NA	NA NA	NA NA	NA NA	
START SOIL PROCESSIN			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
TIME REQUIRED TO STA	KI-UP		0.0 125				U.U M
SORTER SHUT-DOWN			NA	NA	NA	NA	
END SOIL PROCESSING	m n ou n i		NA OA I	NA	NA	NA	001
TIME REQUIRED TO SH			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE			0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABL	ЕТІМЕ		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T	ME		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE							NA
PRODUCTIVTY							NA
PRODUCTIVITY							
Date		1	5-Oct-94	Ex	cused Delays for d	ay (sorter-hrs)	40 hr
Contract day (from 6 Sep)			336	Ex	cused delays for co	ontract (sorter-hrs)	7,099 hr
Current Contract week			56	Ex	cused delay days (plant – days)	177 days
				Ex	cused delay month	s (plant-month)	6.83 months
Soil production for Day			0 MT				
Cumlative Soil Production fo	r Week		0 MT	Pe	rcent of contract co	ompleted	57.3%
Total Soil production for con	tract			То	ns Ahead or Behin	d Schedule	1,677 MT
Since 6 Se	p 93		55,676 MT	Da	ys ahead or behind	d schedule	5.3 days
Since 6 Au	ıg 93		57,267 MT				•
Total Soil production for proj	-		83,554 MT				

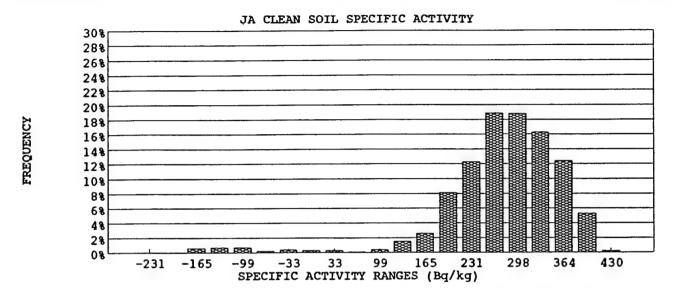
WORK DAY START	06:00	AM	WORK DAY E	ND	16:30 PM	
LUNCH START	11:00	AM	TIME LOST DU	JRING LUNCH	0.5 HR	
		SORTER 1	SORTER 2	CODTTD 2		
		SORIERI	SORTER 2	SORTER 3	SORTER 4	TOTAL
WORK HOURS		10.0 hr	10.0 hr	10.0 hr		(sorter hours)
SORTER AVAILABLE H	OURS	0.0 hr	0.0 hr		10.0 hr	40.0 hr
SORTER START-UP	OUND	NA	NA	0.0 hr	0.0 hr	0.0 hr
START SOIL PROCESSIN	ıc	NA NA	NA NA	NA	NA	
TIME REQUIRED TO ST		0.0 hr	0.0 hr	NA	NA	
SORTER SHUT-DOWN	AKI-UI	NA		0.0 hr	0.0 hr	0.0 hr
END SOIL PROCESSING		NA NA	NA	NA	NA	
TIME REQUIRED TO SH			NA	NA	NA	
ACTUAL PROCESS HOU		0.0 hr	0.0 br	0.0 hr	0.0 hr	0.0 hr
DOWN-TIME	KS	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
	E TELLED	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABI		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
AUTHORIZED DELAY T		10.0 hr	10.0 hr	10.0 hr	10.0 hr	40.0 hr
PLANT PERFORMANCE						NA
PRODUCTIVTY						0.0%
PRODUCTIVITY						
Date		17-Oct-94	Excus	sed Delays for da	ay (sorter—hrs)	40 hr
Contract day (from 6 Sep)		337			ntract (sorter-hrs)	7,139 hr
Current Contract week		57		sed delay days (p		178 days
					(plant-month)	6.86 months
Soil production for Day		0 MT			" ,	
Cumlative Soil Production for	or Week	0 MT	Perce	ent of contract co	mpleted	57.3%
Total Soil production for con	tract		Tons	Ahead or Behin	d Schedule	1.677 MT
Since 6 Se	p 93	55,676 MT		ahead or behind		5.3 days
Since 6 A	ug 93	57,267 MT	,			J.J days
Total Soil production for pro	ject	83,554 MT				
MT = metric tons						

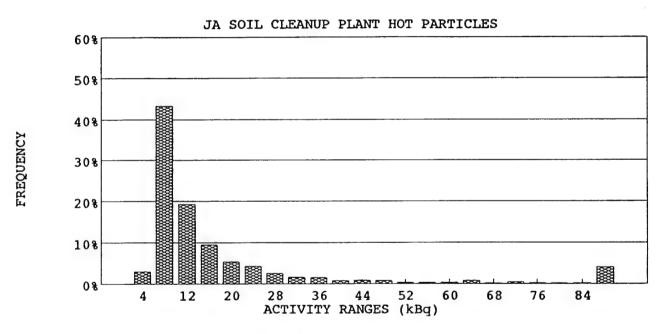
WORK DAY START	06:00	AM		WORK DAY E	ND	16:30	PM	
LUNCH START	11:00	AM		TIME LOST D	URING LUNCH	0.5	HR	
			copare :	SORTER 2	SORTER 3	SORT	ED 4	TOTAL
			SORTER 1	SORTER 2	SORIERS	bok.		(sorter hours)
			10.0 hr	10.0 hr	10.0 hr	10.) hr	40.0 hr
WORK HOURS	our c		0.0 hr	0.0 hr	0.0 hr) hr	0.0 hr
SORTER AVAILABLE HO	OURS		NA	NA	NA	N/		
SORTER START-UP			NA NA	NA NA	NA.	N/	-	
START SOIL PROCESSIN			0.0 hr	0.0 hr	0.0 hr		hr	0.0 hr
TIME REQUIRED TO ST	ART-UP			NA	NA	N/	-	0.0
SORTER SHUT-DOWN			NA		NA NA	N/	-	
END SOIL PROCESSING			NA	NA OO be	0.0 hr		hr Ohr	0.0 hr
TIME REQUIRED TO SH			0.0 hr	0.0 hr	410 111	-	Ohr	0.0 hr
ACTUAL PROCESS HOU	RS		0.0 hr	0.0 hr	0.0 hr	-		0.0 hr
DOWN-TIME			0.0 hr	0.0 hr	0.0 hr		0 hr	
SYSTEM PAUSE			0.0 hr	0.0 hr	0.0 hr	•	0 hr	0.0 hr
SORTER NONAVAILAB	LETIME		10.0 hr	10.0 hr	10.0 hr		0 hr	40.0 hr
AUTHORIZED DELAY	ПМЕ		10.0 hr	10.0 hr	10.0 hr	10.	0 hr	40.0 hr
PLANT PERFORMANCE								NA
PRODUCTIVTY								0.0%
PRODUCTIVITY								
Date		1	8-Oct-94	Ex	cused Delays for d	lay (sorte	er – hrs)	40 hr
Contract day (from 6 Sep)			338	Ex	cused delays for co	ontract (sorter-hrs)	7,179 hr
Current Contract week			57	Ex	cused delay days (plant – d	ays)	179 days
				Ex	cused delay monti	ns (plant	-month)	6.90 months
Soil production for Day			0 M	Т				
Cumlative Soil Production	for Week		0 M	T Pe	rcent of contract o	omplete	d	57.3%
Total Soil production for co				To	ns Ahead or Behi	nd Scheo	lule	1,677 MT
Since 6.5			55,676 M	T Da	ys ahead or behin	d schedu	le	5.3 days
Since 6	•		57,267 M	Т				
Total Soil production for p	-		83,554 M					
MT = metric tons								

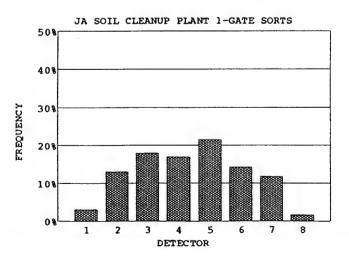
19-Oct-94

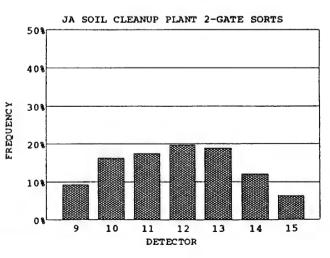
WORK DAY START	06:00 AM		WORK DA	Y END		16:30 PM		
LUNCH START	11:00 AM		TIMELOST	r DURI	ING LUNCH	0.0 HR		
		SORTER 1	SORTER	2	SORTER 3	SORTER 4	TOTAL	
•							(sorter ho	,
WORK HOURS		10.5 hr	10.5	hr	10.5 hr	10.5 hr	42.0 h	ır
SORTER AVAILABLE HOU	RS	6.8 hr	6.8	hr	0.0 hr	0.0 hr	13.7 h	r
SORTER START-UP		09:30	09:30		NA	NA		
START SOIL PROCESSING		09:43	09:43		NA	NA		
TIME REQUIRED TO STAR	T-UP	0.2 hr	0.2	hr	0.0 hr	0.0 hr	0.4 h	ır
SORTER SHUT-DOWN		16:20	16:20		NA	NA		
END SOIL PROCESSING		16:09	16:10		NA	NA		
TIME REQUIRED TO SHUT	DOWN	0.2 hr	0.2	hr	0.0 hr	0.0 hr	0.3 h	ır
ACTUAL PROCESS HOURS		6.3 hr	6.3	hr	0.0 hr	0.0 hr	12.5 h	ır
DOWN-TIME		0.6 hr	0.6	hr	0.0 hr	0.0 hr	1.1 h	r
SYSTEM PAUSE		0.1 hr	0.1	hr	0.0 hr	0.0 hr	0.2 h	r
SORTER NONAVAILABLE	ПМЕ	3.7 hr	3.7	hr	10.0 hr	10.0 hr	27.3 h	ır
AUTHORIZED DELAY TIM	E	3.5 hr	3.5	hг	10.0 hr	10.0 hr	27.0 h	ır
PLANT PERFORMANCE							91.7%	
PRODUCTIVTY							29.9%	
PRODUCTIVITY								
Date		19-Oct-94		Excuse	d Delays for d	ay (sorter – hrs)	27 h	ır
Contract day (from 6 Sep)		339		Excuse	d delays for co	ontract (sorter-hrs)	7,206 h	т
Current Contract week		57		Excuse	d delay days (plant – days)	180 d	lays
				Excuse	d delay month	s (plant-month)	6.93 n	nor:ths
Soil production for Day		137 M	Γ					
Cumlative Soil Production for V	Veek	137 M	r	Percen	t of contract c	ompleted	57.4%	
Total Soil production for contra	ct			Tons A	head or Behir	nd Schedule	1,710 N	ΜT
Since 6 Sep 9	93	55,813 M	Γ	Days al	head or behind	d schedule	5.4 d	lays
Since 6 Aug	93	57,404 M	Γ	-				
Total Soil production for projec	t	83,691 M	Γ					

SOTE SOIL CONTAMINATED CLEAN TOTAL	SOR'	TER 1					V Tolking Co.		19-Oct-94		
MASSTOTAL MANDIMSORT MINIMUMSORT MINIMUMSORT VOLUME IN-GROUND WEIGHT RECOVERY (CLEAN/HOT+CLEAN) ***PARTICLE** ***PARTICLE** *			SORTER SOIL	DENSITY	1.30 to	ons/m³					
MAXDMMSORT MINDMUMSORT VOLIME IN-GROUND WEIGHT RECOVERY (CLEAN/HOT+CLEAN) ACTIVITY TOTAL	SOIL					CONTAI	MINATED	CLEAN			
MINIMUMSORT 0.8 kg										68.3 t	ons
VOLUME IN-GROUND 8.7 yeb 45.4 yeb 54.1 yeb							-	•			
WEIGHT RECOVERY (CLEAN/HOT+CLEAN) 83.9%			-				-	•		541.	.ar
ACTIVITY					T±CT EAN			43.4 y a	,	34.1 y	ď
TOTAL	A CTE		RECOVERT	CLEAN/(HU	1+CLEAN	<u> </u>	63.9%	Diene	nern . nanm	CLE	
TOTAL	ACI.	1 1 1 1 1				DAD?	HC F				
MAXIMUMIONORT 3 kBq 2,44 kBq 24 kBq 3 kBq 0 kBq -7 kBq 277		mom . *									.D
MINIMUMSORT 1,840 Byks 2.7 kg 2.7 kg 2.5 kg 2.7 kg 2.7 kg 2.5 kg 2.7 kg 2.5 kg 2			MEODT				-	•	•	-	•
SPECIFIC ACTIVITY							•	•	•		•
SORTS							204				-
20-SEC PROCESS PERIODS ALL 80 ELEMENTS SORT (MD>0&MND=0) 152 NONE (AD=0 & MD=0 & MND=0) SOME (AD>0&C MD < MND=0 & MND=0) UNEXPLAINED RECORDS 0 C-AD<1kBq & MD>0 1 AD=0 & MD=0 0 C-AD<1kBq & MD>0 1 AD=0 & MD=0 0 C-AD<1kBq & MD>0 1 AD=0 & MD=0 1 AD=0 & MD=0 0 C-AD<1kBq & MD>0 1 AD=0 & MD>0 2 - SEC COUNT PERIODS 1 C-SEC RECORDS WITH SORTS 2 - SEC RECORDS WITHOUT SORTS 2 - SEC RECORDS WITHOUT SORTS 2 - SEC RECORDS WITHOUT SORTS 3 ,705 NONPROCESSING RECORDS C= SORTS and 20-s PERIODS) 3 ,705 NONPROCESSING RECORDS C= SORTS and 20-s PERIODS) 3 DET 2 DET 5 88 22 82% 6 6 DET 2 DET 3 DET 2 DET 5 88 22 82% 8 8 DET 0 0.00% 4 DET 4 DET 2 DET 5 88 22 82% 8 8 DET 0 0.00% 5 DET 5 0.19% 4 VERTOR SORTS AVERAGETIME BETWEEN 2 - SEC SORTS 1 123 sec FREQUENCY DISTRIBUTIONS 1 - GATESORTS ACT_ND NUM SPEC_A FREQ% ACT_P NUM FREQ9 DET SORTS FREG% (Bq) (#) (Bq/kg) (kBq) (#) 1 4 0 31.9% - 14000 0 - 231 0.0% 4 77 3.0% 2 168 13.0% - 12000 0 - 198 0.0% 8 1.116 43.3% 3 231 17.9% - 10000 6 - 165 0.6% 12 494 19.2% 4 2 218 16.9% -8000 7 - 192 0.0% 8 1.116 43.3% 7 152 11.8% - 2000 1 - 198 0.0% 8 1.116 43.3% 7 152 11.8% - 2000 433 0.4% 28 66 2.6% 6 183 14.2% -4000 266 0.2% 24 111 4.3% 7 152 11.8% - 2000 433 0.4% 28 66 2.6% 6 183 14.2% -4000 266 0.2% 24 111 4.3% 7 152 11.8% - 2000 433 0.4% 28 66 2.6% 10 20 16.3% 12000 3 30.3% 36 40 1.6% 10 20 16.3% 12000 81 198 81.9% 56 9 0.3% 10 20 20 13% 12.5% 48 19 0.0% 10 20 16.3% 12000 81 198 81.9% 56 9 0.3% 11 225 17.5% 14000 123 231 12.9% 60 9 0.3% 11 225 17.5% 14000 123 231 12.9% 60 9 0.3% 11 225 17.5% 14000 188 298 18.8% 68 5 0.2% 10 12 25 17.5% 14000 188 298 18.8% 68 5 0.2% 10 12 25 17.5% 14000 188 298 18.8% 68 5 0.2% 10 12 25 17.5% 14000 188 298 18.8% 68 5 0.2% 10 12 25 17.5% 14000 188 298 18.8% 68 5 0.2% 10 12 25 17.5% 14000 188 298 18.8% 68 5 0.2% 10 12 25 17.5% 14000 188 298 18.8% 68 5 0.2% 10 12 25 17.5% 14000 188 298 18.8% 68 5 0.2% 10 25 25000 0 0 0 0.0% 84 4 4 0.2%	SOR										
ALL 80 ELEMENTS SORT (MD>0&MND=0) 152	0010		ROCESS PERI	ODS				1.128		UNEXP	PAUSE
NONE (AD=0 & MD=0 & MND>0)					MD>0&M	ND=0)	152	2,220			
SOME AD>0&0 MD MND max & MND						-,					
UNEXPLAINED RECORDS						ND <mndmax< td=""><td></td><td></td><td></td><td></td><td></td></mndmax<>					
AD=0 & MD>0			•			0					
AD<0 & MD > 0 2-SEC COUNT PERIODS 11,280			0	<ad<1kbq &<="" td=""><td>& MD>0</td><td>1</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq>	& MD>0	1					
2-SEC COUNT PERIODS 2-SEC RECORDS WITHOUT SORTS 2-SEC RECORDS WITHOUT SORTS 3,703 TOTAL PROCESS RECORDS (7est, calibration, etc) 2-SEC SORT DETECTORS 1 DET 1,832 71.09% 5 DET 5 0.19% 2 DET 588 22.82% 6 DET 0 0.00% 4 DET 129 5.01% 7 DET 0 0.00% 4 DET 23 0.89% 8 DET 0 0.00% 4 DET 23 0.89% 8 DET 0 0.00% AVERAGE TIME BETWEED 2-SEC SORTS 1-GATE SORTS FREO% (Bq) (#) (Bq/kg) (kBq) (#) 1 40 3.1% -14000 0 -231 0.09% 8 1,116 43.3% 3 231 17.9% -10000 6 -165 0.6% 112 494 19.2% 4 218 16.9% -8000 7 -192 0.07% 16 244 9.5% 5 278 21.5% -6000 7 -99 0.7% 20 139 5.4% 6 183 14.2% -4000 2 -66 0.2% 24 111 4.3% 7 152 11.8% -2000 4 -33 0.3% 32 41 1.6% TOTAL 1,292 2000 3 3 33 0.3% 36 40 1.6% 2-GATE SORTS FREO% 8000 15 132 1.5% 48 19 0.7% DET SORTS FREO% 0.00 4 -33 0.4% 28 66 2.6% 8 22 1.7% 0 3 0.3% 32 41 1.6% TOTAL 1,292 2000 3 3 33 0.3% 36 40 1.6% 2-GATE SORTS 6000 4 99 0.4% 44 23 0.9% DET SORTS FREO% 8000 15 132 1.5% 48 19 0.7% 1 12 11.8% -2000 4 -33 0.4% 28 66 2.6% 8 22 1.7% 0 3 0.3% 32 41 1.6% TOTAL 1,292 2000 3 3 33 0.3% 36 40 1.6% 2-GATE SORTS 6000 4 99 0.4% 44 23 0.9% DET SORTS FREO% 8000 15 132 1.5% 48 19 0.7% 9 119 9.3% 10000 26 165 2.6% 52 9 0.3% 10 209 16.3% 12000 81 198 81.% 56 9 0.3% 11 225 17.5% 14000 123 231 12.3% 60 9 0.3% 12 253 19.7% 14000 123 231 12.3% 60 9 0.3% 11 225 17.5% 14000 188 264 18.9% 64 21 0.8% 13 242 18.8% 18000 188 264 18.9% 64 21 0.8% 14 155 12.1% 2000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2%			A	D=0 & MD>	0	-					
2-SEC RECORDS WITH SORTS 2,577 2-SEC RECORDS WITHOUT SORTS 8,703 3,705 NONPROCESSING RECORDS (Test, calibration, etc) 26 2-SEC SORT DETECTORS 1,832 71.09% 5 DET 5 0.19% 2 DET 588 22,82% 6 DET 0 0.00% 4 DET 23 0.89% 8 DET 0 0.00% 4 DET 24 DET 25 DET			•		>0	0					
2-SEC RECORDS WITHOUT SORTS		÷			. n. ===			11,280			
TOTAL PROCESS RECORDS (2-s SORTS and 20-s PERIODS) 3,705 NONPROCESSING RECORDS (Test, calibration, etc) 26 2-SEC SORT DETECTORS 1 DET 1,832 71,09% 5 DET 5 0,19% 2 DET 588 22,82% 6 DET 0 0,00% 4 DET 23 0,89% 8 DET 0 0,00% 4 DET 23 0,89% 8 DET 0 0,00% 4 DET 25 0,89% 8 DET 0 0,00% 4 DET 0,00% 6 DET 0,00% 0,0							-				
NONPROCESSING RECORDS (Test, calibration, etc) 2-SEC SORT DETECTORS 1 DET								2 705			
2-SEC SORT DETECTORS							"	•			
1 DET					vanoration,	····)		20			
3 DET					71.09%		5 DET	5	0.19%		
A DET		2	DET	588	22.82%		6 DET	0	0.00%		
AVERAGE TIME BETWEEN 2 - SEC SORTS 12.3 sec		3	DET	129	5.01%		7 DET	0	0.00%		
FREQUENCY DISTRIBUTIONS 1 - GATE SORTS ACT_ND NUM SPEC_A FREQ% (kBq) (#) (Bq/kg) (kBq) (#) 1 40 3.1% -14000 0 -231 0.0% 4 77 3.0% 2 168 13.0% -12000 0 -198 0.0% 8 1,116 43.3% 3 231 17.9% -10000 6 -165 0.6% 112 494 19.2% 4 218 16.9% -8000 7 -132 0.7% 16 244 9.5% 5 278 21.5% -6000 7 -99 0.7% 20 139 5.4% 6 183 14.2% -4000 2 -66 0.2% 24 111 4.3% 7 152 11.8% -2000 4 -33 0.3% 32 41 11.6% 1.6% 1.292 2000 3 33 0.3% 36 40 1.6% 1.6% 2 - GATE SORTS 6000 4 99 0.4% 44 23 0.9% 0.8% 2 - GATE SORTS FREQ% 8000 15 132 1.5% 48 19 0.7% 9 119 9.3% 10000 26 165 2.6% 52 9 0.3% 10 209 16.3% 12000 81 198 8.1% 56 9 0.3% 12 253 19.7% 16000 188 298 18.8% 68 5 0.2% 13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 15 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% 10 1.285 24000 53 397 5.3% 80 5 0.2% 50000 2 430 0.2% 84 4 0.2% 50000 2 430 0.2% 84 4 0.2% 50000 0 0 0.0% 584 105 41.8% 105							8 DET	0	0.00%		
Total Tota						12.3	sec				
DET SORTS FREQ% (Bq) (#) (Bq/kg) (kBq) (#) 1 40 3.1% -14000 0 -231 0.0% 4 77 3.0% 2 168 13.0% -12000 0 -198 0.0% 8 1,116 43.3% 3 231 17.9% -10000 6 -165 0.6% 12 494 19.2% 4 218 16.9% -8000 7 -132 0.7% 16 244 9.5% 5 278 21.5% -6000 7 -99 0.7% 20 139 5.4% 6 183 14.2% -4000 2 -66 0.2% 24 111 4.3% 7 152 11.8% -2000 3 3 0.3% 32 41 1.6% TOTAL 1.292 2000 3 33 0.3% 36 40 1.6% 2-	FRE	QUENC	Y DISTRI	BUTION	1S						
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TOTAL 1,292 2000 3 33 0.3% 36 40 1.6% 4000 1 66 0.1% 40 20 0.8% 2-GATE SORTS 6000 4 99 0.4% 44 23 0.9% DET SORTS FREQ% 8000 15 132 1.5% 48 19 0.7% 9 119 9.3% 10000 26 165 2.6% 52 9 0.3% 10 209 16.3% 12000 81 198 8.1% 56 9 0.3% 11 225 17.5% 14000 123 231 12.3% 60 9 0.3% 12 253 19.7% 16000 189 264 18.9% 64 21 0.8% 13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% 22800 0 0 0 0.0% >84 105 4.1%											
A000	-										
2-GATESORTS 6000 4 99 0.4% 44 23 0.9% DET SORTS FREQ% 8000 15 132 1.5% 48 19 0.7% 9 119 9.3% 10000 26 165 2.6% 52 9 0.3% 10 209 16.3% 12000 81 198 8.1% 56 9 0.3% 11 225 17.5% 14000 123 231 12.3% 60 9 0.3% 12 253 19.7% 16000 189 264 18.9% 64 21 0.8% 13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% <td></td>											
9 119 9.3% 10000 26 165 2.6% 52 9 0.3% 10 209 16.3% 12000 81 198 8.1% 56 9 0.3% 11 225 17.5% 14000 123 231 12.3% 60 9 0.3% 12 253 19.7% 16000 189 264 18.9% 64 21 0.8% 13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1.285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%	2-GA	TE SORTS				99	0.4%	44	23		0.9%
10 209 16.3% 12000 81 198 8.1% 56 9 0.3% 11 225 17.5% 14000 123 231 12.3% 60 9 0.3% 12 253 19.7% 16000 189 264 18.9% 64 21 0.8% 13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%	DET										
11 225 17.5% 14000 123 231 12.3% 60 9 0.3% 12 253 19.7% 16000 189 264 18.9% 64 21 0.8% 13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%											
12 253 19.7% 16000 189 264 18.9% 64 21 0.8% 13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%											
13 242 18.8% 18000 188 298 18.8% 68 5 0.2% 14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%											
14 155 12.1% 20000 163 331 16.3% 72 13 0.5% 15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%											
15 82 6.4% 22000 124 364 12.4% 76 7 0.3% TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%											
TOTAL 1,285 24000 53 397 5.3% 80 5 0.2% 26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%			•								
26000 2 430 0.2% 84 4 0.2% >28000 0 0 0.0% >84 105 4.1%			6.4%								
>28000 0 0.0% >84 105 4.1%	IOIAL	1,285									
IUIAL I.WI IUIAL 4.377						0	0.0%				4.1%
EVENT TYPES HPE 2,529 MPE 415 DISE 11,620	EVENT	TVDEC	ndc			415	DISE		2,311		



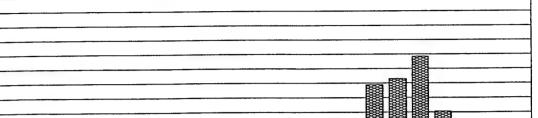


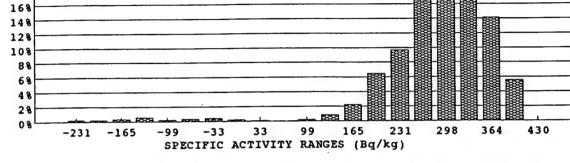




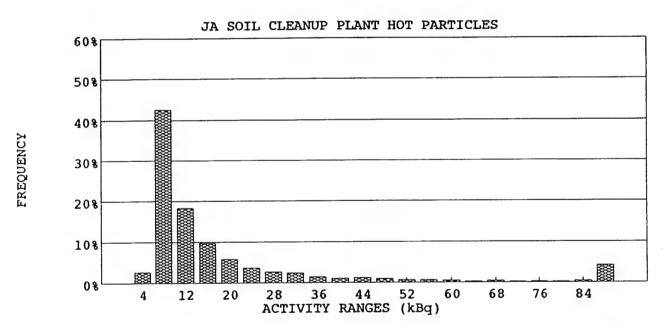
SORT	TER 2							19-Oct-94		
	DICE	SORTER SOIL	DENSITY	1.30 to	ns/m³		BACKGROUND		0.78	± 0.03 c/
SOIL					CONTAN	MINATED	CLEAN		TOTA	AL.
	MASS TO	OTAL			19.7	tons	48.6 ton	ıs	68.3 1	ons
	MAXIM	UM/SORT			63.0	kg	60.5 kg			
	MINIMU	M/SORT			0.8	_	51.5 kg			
		E IN-GROUND			15.7	•	38.5 yd³	,	54.2	rd³
		RECOVERY (CLEAN/(HO	(+CLEAN)	71.1%				
ACTI	VITY							RSED + PART		
						nae	HOT		CLEAN	
	TOTAL				53,254	•	23,015 kB	•	13,909	-
	•	UM/SORT			1,160	•	557 kB	-	24 1	_
		M/SORT			3	kBq	0 Bq		-12	_
- D7		CACTIVITY					1,165 Bq	/kg	200 1	Bq/kg
SORT							1 100		mmvn	DATICE
	20-SEC	PROCESS PERI			m a)	200	1,129		TIME	PAUSE TIME
		ALL 80 ELEME			ND=U)	299			11:25	09:43
		NONE (AD=0			D-MND	193 637			16:02	14:43
		SOME (AD>08 UNEXPLAINE			v windingx	, 63/			10.02	17.73
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			D=0 & MD>		0					
			D<0 & MD >		0					
	2-SEC	OUNT PERIOD			Ū		11,290			
	2 DEC C	2-SEC RECOR		ORTS		2,407				
		2-SEC RECOR				8,883				
	TOTAL	PROCESS RECO			-s PERIODS	S)	3,536			
		OCESSING REC				•	20			
		ORT DETECTO	-							
		1 DET	1,706	70.88%		5 DET	5	0.21%		
		2 DET	564	23.43%		6 DET	0	0.00%		
		3 DET	110	4.57%		7 DET	0	0.00%		
		4 DET	22	0.91%		8 DET	0	0.00%		
		GE TIME BETW			13.2	sec				
FREC	QUEN	CY DISTRI	BULION	18						
1-GA7	TE SORTS	5	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	72	6.2%	-14000	2	-231	0.2%	4	64		2.7%
2	240		-12000	2	-198	0.2%	8	1,023		42.5%
3			-10000	3	-165		12	441		18.3%
4	230		-8000	5	-132	0.6%	16	233		9.7%
5	187		-6000	2	-99	0.2%	20	140		5.8% 3.7%
6	143		-4000 2000	3	-66 -33	0.4%	24 28	88 63		3.1% 2.6%
7	72		-2000	4 2	-33 0	0.5% 0.2%	32	58		2.4%
8 LATON	1,155	-	0 2000	1	33	0.2%	36	35		1.5%
TAL	1,133		4000	0	66	0.1%	40	24		1.0%
2-GAT	TE SORTS		6000	2	99	0.2%	44	29		1.2%
DET			8000	7	132	0.8%	48	22		0.9%
9	157		10000	19	165	2.2%	52	16		0.7%
10			12000	55	198	6.5%	56	15		0.6%
11	270		14000	82	231	9.7%	60	12		0.5%
12	216		16000	151	264	17.8%	64	7		0.3%
13			18000	158	298	18.6%	68	9		0.4%
14	118		20000	184	331	21.7%	72	5		0.2%
15	54	4.3%	22000	120	364	14.1%	76	7		0.3%
OTAL	1,252	_	24000	47	397	5.5%	80	5		0.2%
			26000	0	430	0.0%	84	9		0.4%
			>28000	0	0	0.0%	>84	102		4.2%
			TOTAL	849			TOTAL	2,407		

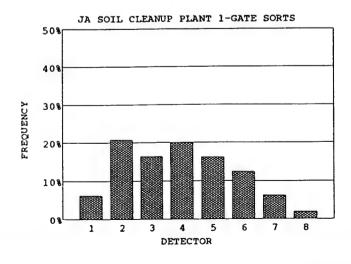
30% 28% 26% 24% 22% 20% 18%

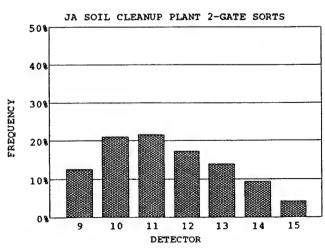




JA CLEAN SOIL SPECIFIC ACTIVITY

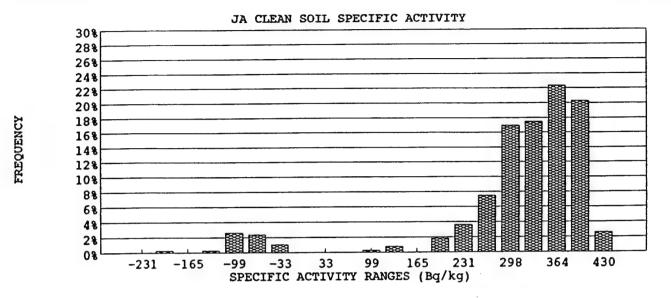


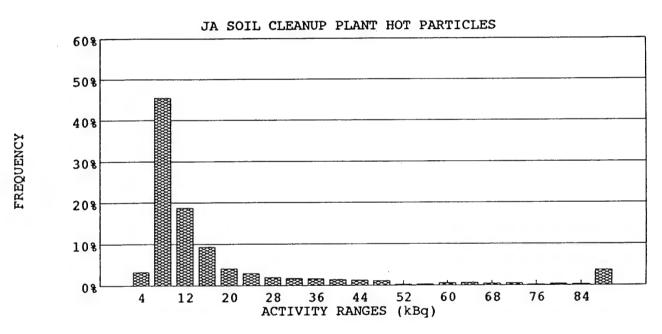


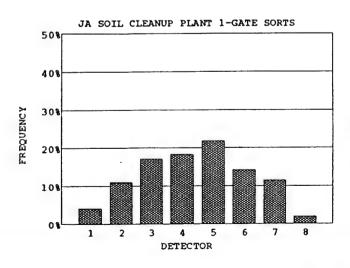


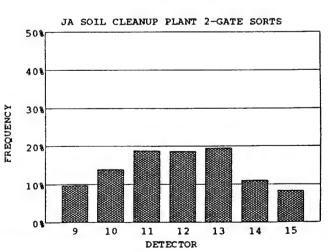
WORK DAY START	06:00 AM		WORK DA	Y END		16:30 PM	
LUNCH START	11:00 AM		TIME LOST	DURING L	UNCH	0.0 HR	
		SORTER 1	SORTER	2 SORT	ER 3	SORTER 4	TOTAL
							(sorter hours)
WORK HOURS		10.5 hr	10.5		hr	10.5 hr	42.0 hr
SORTER AVAILABLE HOU	RS	9.9 hr	9.9	hr 9.1	hr	9.1 hr	38.0 hr
SORTER START-UP		06:25	06:25	07:15		07:15	
START SOIL PROCESSING		07:41	07:41	07:37		07:37	
TIME REQUIRED TO STAR	T-UP	1.3 hr	1.3	hr 0.4	hr	0.4 hr	3.3 hr
SORTER SHUT-DOWN		16:20	16:20	16:20		16:20	
END SOIL PROCESSING		16:05	16:07	15:43		16:10	
TIME REQUIRED TO SHUT	DOWN	0.2 hr	0.2	hr 0.6	hr	0.2 hr	1.2 hr
ACTUAL PROCESS HOURS		3.1 hr	3.2	hr 7.4	hr	8.3 hr	22.0 hr
DOWN-TIME		6.8 hr	6.8	hr 1.7	hr	0.8 hr	16.0 hr
SYSTEM PAUSE		5.3 hr	5.3	hr 0.7	hr	0.3 hr	11.6 hr
SORTER NONAVAILABLE	ПМЕ	0.6 hr	0.6	hr 1.4	hr	1.4 hr	4.0 hr
AUTHORIZED DELAY TIM	E	0.0 hr	0.0	hr 2.9	hr	2.9 hr	5.8 hr
PLANT PERFORMANCE							57.9%
PRODUCTIVTY							52.3%
PRODUCTIVITY							
Date	2	0-Oct-94	1	Excused Delay	s for da	y (sorter-hrs)	5.8 hr
Contract day (from 6 Sep)		340	1	Excused delays	s for con	tract (sorter-hrs	7,212 hr
Current Contract week		57		Excused delay			180 days
)	Excused delay	months	(plant-month)	6.93 months
Soil production for Day		239 MT	•				
Cumlative Soil Production for W	Veek	376 MT	` 1	Percent of con	tract coi	mpleted	57.6%
Total Soil production for contra	ct			Tons Ahead or	Behind	Schedule	1,679 MT
Since 6 Sep 9	3	56,052 MT		Days ahead or	behind:	schedule	5.3 days
Since 6 Aug 9	93	57,643 MT	•				,
Total Soil production for project		83,930 MT	•				

SORT	ER 1						20-	-Oct -94			
	S	ORTER SOIL	DENSITY	1.30 tor	s/m³	B	ACKGROUND		0.70 ±	0.04 c/s	
SOIL					CONTAM	INATED	CLEAN		TOTA	L	
1	MASS TOT	AL			11.7	tons	22.3 tons		34.0 10	ons	
1	MAXIMUM	I/SORT			63.0	kg	60.5 kg				
1	MINIMUM	SORT			0.8	kg	49.2 kg				
		N-GROUND			9.3	yd³	17.7 yd3		27.0 yd3		
		ECOVERY (C	LEAN/(HOT	(+CLEAN)	<u> </u>	65.6%					
ACTIV	VITY						DISPERSE	D + PARTIC	LE		
					PART	ICLE	HOT	CI	EAN		
7	TOTAL				26,650	kBq	11,073 kBq	(5,908 k	Bq	
1	MAXIMUM	I/SORT			1,675	kBq	572 kBq		25 k	:Bq	
1	MINIMUM	SORT			2	kBq	0 Bq		-12 k	•	
	SPECIFIC A	ACTIVITY					946 Bq/kg		309 E	3q/kg	
SORT	S										
2	20-SEC PR	OCESS PERIO	ODS				562	U	VEXP	PAUSE	
	Α	LL 80 ELEME	NTS SORT (MD>0&MN	ID=0)	182		T	ME	TIME	
		ONE (AD=0				120		1	15:45	07:42	
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			D<0 & MD >	>0	0		5 (00				
2		UNT PERIOD		.n.mc		1 212	5,620				
	_	-SEC RECOR				1,213 4,407					
	_	-SEC RECOR			DEDIOD	•	1,775				
		OCESS RECO				")	9				
		RT DETECTO		candianon, c	,		,				
		DET	RS 844	69.58%		5 DET	2	0.16%			
	2 DET 294 24.24%					6 DET	0	0.00%			
		DET	60	4.95%		7 DET	0	0.00%			
		DET	13	1.07%		8 DET	0	0.00%			
	AVERAGE	TIME BETW	EEN 2-SEC	SORTS	13.3	sec					
FREO	UENC	Y DISTRI	BUTION	IS							
-	ESORTS		ACT_ND	NUM	SPEC_A	FREO%	ACT P	NUM		FREQ%	
	SORTS	FREO%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		•	
1	26	4.1%	-14000	Ó	-231	0.0%	4	39		3.2%	
2	70	11.0%	-12000	1	-198	0.3%	8	552		45.5%	
3	109	17.2%	-10000	0	-165	0.0%	12	227		18.7%	
4	116	18.3%	-8000	1	-132	0.3%	16	113		9.3%	
5	138	21.8%	-6000	10	-99	2.6%	20	50		4.1%	
6	90	14.2%	-4000	9	-66	2.3%	24	36		3.0%	
7	73	11.5%	-2000	4	-33	1.0%	28	24		2.0%	
8	12	1.9%	0	0	0	0.0%	32	21		1.7%	
TOTAL	634		2000	0	33	0.0%	36	20		1.6%	
			4000	0	66	0.0%	40	17		1.4%	
	ESORTS	ED ES	6000	1	99	0.3%	44	15		1.2%	
DET	SORTS	FREQ%	8000	3	132	0.8%	48	13		1.1%	
9	56	9.7%	10000	0	165	0.0%	52	3		0.2% 0.2%	
10	81	14.0%	12000 14000	7 14	198 231	1.8% 3.6%	56 60	3 7		0.2%	
11	109	18.8%	16000	14 29	264	3.6% 7.5%	64	8		0.6%	
12 13	108 113	18.7% 19.5%	18000	66	298	17.0%	68	5		0.1%	
				68	331	17.5%	72	6		0.5%	
14	64	11.1%	20000								
15	48	8.3%	22000	87 70	364	22.4%	76 80	2		0.2% 0.3%	
TOTAL	579		24000	79	397	20.3%					
			26000	10	430	2.6%	84	3		0.2%	
			>28000	0	0	0.0%	>84	45		3.7%	
T-1 / T-1 100 - 1	TADEC	*****	TOTAL	389	264	Dier	TOTAL	1,213			
EVENT	IYPES	HPE	1,168	MPE	261	DISE	14,037				



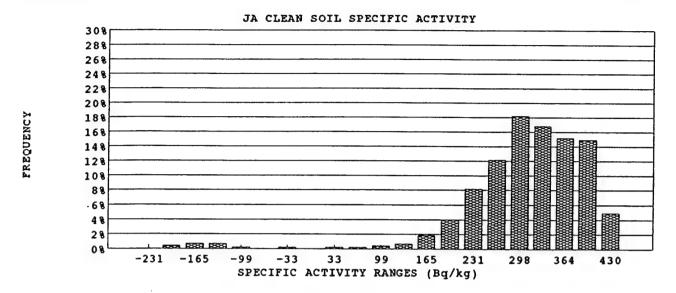


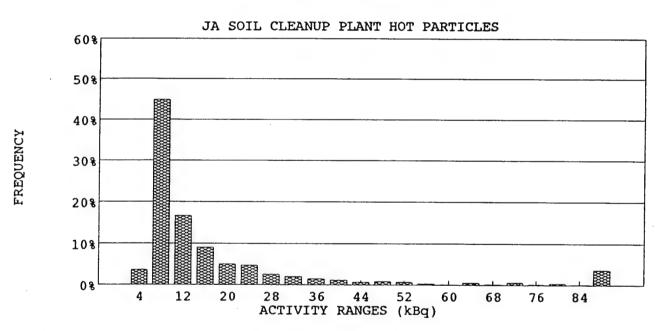


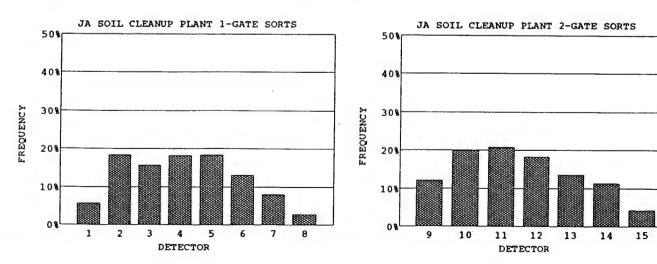


C-166

SORTI	ED 2							20-Oct-94		
SOK II		RTER SOIL	DENSITY	1.30 ton	s/m³		BACKGROUN		0.77 :	± 0.03 c/s
SOIL	- 50	MILICOLE.			CONTAM	INATED	CLEAN	٧	TOTA	L
	ASS TOTA	AT.			9.3		25.0 to	ons	34.3 t	ons
_	AXIMUM				63.0	kg	60.5 kg	g		
	INIMUM/				0.8	_	51.5 k	8		
		N-GROUND			7.3	yd³	19.8 ye	d³	27.2 y	d³
. ν	VEIGHT R	ECOVERY (C	LEAN/(HO)	(+CLEAN)		73.0%				
ACTIV	'ITY						DISPI	ERSED + PARTI	CLE	
*					PART	ICLE	НОТ		CLEAN	
T	OTAL				30,351	•	12,303 k	-	7,502 1	-
N	MUMIXAN	SORT			1,196	•	562 k	•	26)	-
_	AINIMUM/				3	kBq	0 B 1,329 B	•	-13 t	сва За/kg
	PECIFIC A	CHVITY					1,327 L	rq/kg	300 1	Jq/ kg
SORTS			000				568		IINEYD	PAUSE
2		OCESS PERIO		MD>08M	ID=0)	140	300		TIME	TIME
		LL 80 ELEME ONE (AD=0 &			D-0)	100			None	09:06
	N	บนะ(พบ≃บง พนะ(พบ≃บง	O <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td></td><td></td><td></td><td></td><td>12:30</td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td></td><td></td><td></td><td></td><td>12:30</td></mndmax)<>					12:30
		NEXPLAINE			0					15:28
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			D=0 & MD>		0					
		Α	D<0 & MD :	>0	0					
2		JNT PERIOD					5,680			
		-SEC RECOR				1,330				
	2-	-SEC RECOR	DS WITHOU	JT SORTS	- PERIODS	4,350	1 909			
					-s PERIODS	·)	1,898			
		ESSING REC T DETECTO	•	canoration, e	:10)		•			
2		DET	935	70.30%		5 DET	4	0.30%		
		DET	312	23.46%		6 DET	0	0.00%		
		DET	64	4.81%		7 DET	0	0.00%		
		DET	15	1.13%		8 DET	0	0.00%		
F	AVERAGE	TIME BETW	EEN 2-SEC	SORTS	12.1	sec				
FREQ	UENCY	Y DISTRI	BUTION	1S						
	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	37	5.7%	-14000	0	-231	0.0%	4	49		3.7%
2	119	18.3%	-12000	2	-198	0.5%	8	596		44.8%
3	102	15.7%	-10000	3	-165	0.7%	12	222		16.7% 9.1%
4	118	18.2%	-8000	3	-132 -99	0.7%	16 20	121 67		5.0%
5	119	18.3%	-6000 -4000	1 0	-99 -66	0.2% 0.0%	24	63		4.7%
6 7	85 52	13.1% 8.0%	-4000 -2000	1	-00 -33	0.0%	28	34		2.6%
8	32 18	2.8%	-2000	0	0	0.0%	32	27		2.0%
TOTAL	650	2.0 /0	2000	1	33	0.2%	36	20		1.5%
			4000	1	66	0.2%	40	16		1.2%
2-GAT	ESORTS		6000	2	99	0.5%	44	10		0.8%
DET	SORTS	FREQ%	8000	3	132	0.7%	48	12		0.9%
9	82	12.1%	10000	8	165	1.9%	52	10		0.8%
10	135	19.9%	12000	17	198	4.0%	56	4		0.3%
11	141	20.7%	14000	35	231	8.2%	60	1		0.1%
12	124	18.2%	16000	52	264	12.1%	64	8		0.6% 0.2%
13	92	13.5%	18000	78 72	298 331	18.2% 16.8%	68 72	9		0.2%
14	77 20	11.3%	20000 22000	72 65	364	15.2%		3		0.7%
TOTAL	680	4.3%	24000	64	397	14.9%	80	5		0.4%
TOTAL	000		26000	21	430	4.9%	84	1		0.1%
ĺ			>28000	0	0	0.0%	>84	49		3.7%
			TOTAL	429	Ü	0.070	TOTAL	1,330	-	,
EVENT	rvnre	unc			388	DISE				
EVENT 1	TPES	HPE	1,312	MPE	308	DISE	10,0.54			

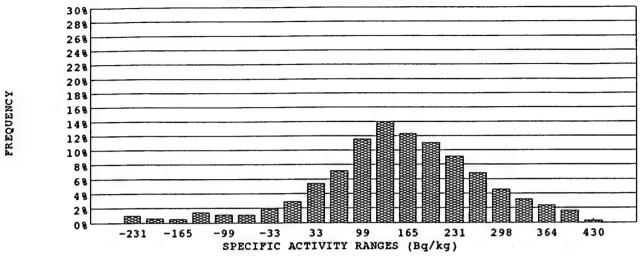




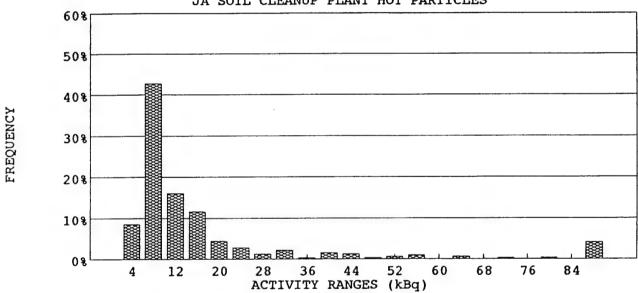


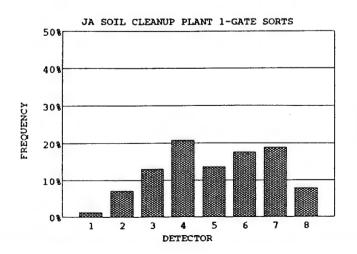
SORT	TER 3						20	-Oct-94		
	S	ORTER SOIL	DENSITY	1.30 to	ons/m³		BACKGROUND		2.13 ±	0.59 c/s
SOIL					CONTAI	MINATED	CLEAN		TOTA	
	MASS TO	TAL			2.8	tons	78.1 tons		80.9 t	ons
	MAXIMUI	M/SORT			63.0	kg	60.5 kg			
	MINIMUM	I/SORT			0.8	kg	54.5 kg			
	VOLUME	IN-GROUNI)		2.2	yd³	61.9 yd ³		64.1 y	d³
		RECOVERY (CLEAN/(HO	T+CLEAN))	96.6%				
ACTI	VITY						DISPERSI	ED + PART	ICLE	
					PAR'	TICLE	HOT		CLEAN	
	TOTAL				5,751	kBq	2,798 kBq		10,610 k	Bq
	MAXIMU	M/SORT			296	kBq	148 kBq		25 k	Bq
	MINIMUM	SORT			3	kBq	0 Bq		-19 k	Bq
	SPECIFIC.	ACTIVITY			· · · · · · · · · · · · · · · · · · ·		1,006 Bq/kg		136 B	q/kg
SORT	S									
	20-SEC PI	ROCESS PERI	ODS				1,337		UNEXP	PAUSE
	A	LL 80 ELEMI	ENTS SORT	MD>0&M	ND=0)	40	-		TIME	TIME
	NONE (AD=0 & MD=0 & MND>0)				,	1,106			11:53	09:20
					ND <mndmax< td=""><td>•</td><td></td><td></td><td>12:23</td><td>09:30</td></mndmax<>	•			12:23	09:30
		INEXPLAINE			0	,			14:20	10:01
		0	<ad<1kbq< td=""><td>% MD>0</td><td>2</td><td></td><td></td><td></td><td>14:28</td><td>10:21</td></ad<1kbq<>	% MD>0	2				14:28	10:21
			D=0& MD>		3				15:38	10:35
		A	D<0 & MD	>0	0					10:58
	2-SEC CO	UNTPERIOR	OS				13,370			11:05
	2	-SEC RECOR	RDS WITH SO	ORTS		318				11:18
	2	-SEC RECOR	RDS WITHOU	UTSORTS		13,052				11:26
	TOTAL PR	OCESS RECO	ORDS (2-s SC	ORTS and 2	0-s PERIODS	S)	1,655			11:29
	NONPROC	ESSING REC	ORDS (Test,	calibration,	etc)		10			11:33
;	2-SEC SO	RTDETECTO	DRS							11:42
	1	DET	248	77.99%		5 DET	0	0.00%		12:06
		DET	54	16.98%		6 DET	0	0.00%		12:15
		DET	12	3.77%		7 DET	0	0.00%		12:27
		DET	4	1.26%		8 DET	0	0.00%		More
		TIME BETW			107.8	sec				
FREQ	UENC'	Y DISTRI	BUTION	1S						
1-GAT	E SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	2	1.3%	-14000	13	-231	1.0%	4	27		8.5%
2	11	7.1%	-12000	8	-198	0.6%	8	136		42.8%
3	20	13.0%	-10000	7	-165	0.5%	12	51		16.0%
4	32	20.8%	-8000	19	-132	1.5%	16	37		11.6%
5	21	13.6%	-6000	15	-99	1.1%	20	14		4.4%
6	27	17.5%	-4000	14	-66	1.1%	24	9		2.8%
7	29	18.8%	-2000	25	-33	1.9%	28	4		1.3%
8 _	12	7.8%	0	38	0	2.9%	32	7		2.2%
TOTAL	154		2000	71	33	5.4%	36	1		0.3%
	0.000		4000	93	66	7.1%	40	5		1.6%
	ESORTS	PR 10 4 4 4	6000	151	99	11.6%	44	4		1.3%
DET	SORTS	FREQ%	8000	182	132	13.9%	48	1		0.3%
9	8	4.9%	10000	161	165	12.3%	52	2		0.6%
10	17	10.4%	12000	144	198	11.0%	56	3		0.9%
11	20	12.2%	14000	119	231	9.1%	60	0		0.0%
12	32	19.5%	16000	89	264	6.8%	64	2		0.6%
13	27	16.5%	18000	60	298	4.6%	68	0		0.0%
14	36	22.0%	20000	42	331	3.2%	72	1		0.3%
15 _	24	14.6%	22000	31	364	2.4%	76	0		0.0%
TOTAL	164		24000	21	397	1.6%	80	1		0.3%
			26000	4	430	0.3%	84	0		0.0%
			>28000 _	0	0	0.0%	>84	13		4.1%
CT/ICAIMO	3/DEC	, inc	TOTAL	1,307		D	TOTAL	318		
EVENTT	TPES	HPE *	333	MPE	63	DISE	3,277			

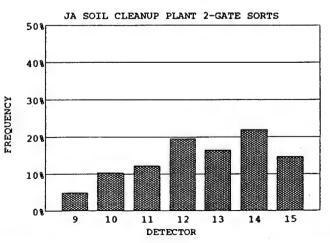




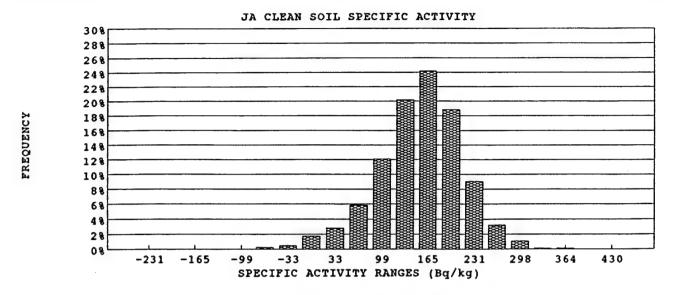


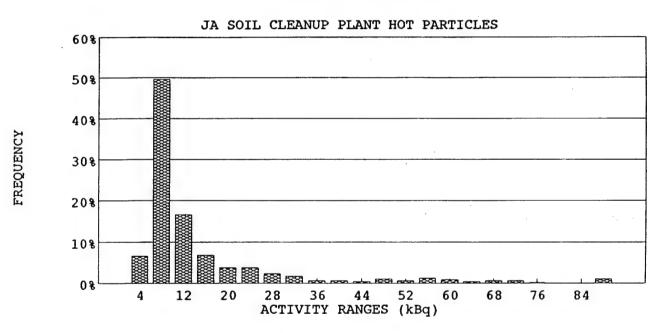


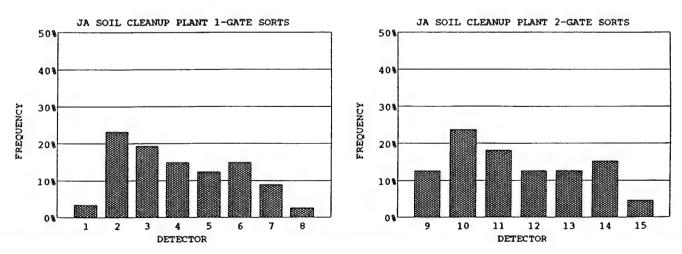




SORT	ER 4						20-	-Oct-94		
	SC	ORTER SOIL	DENSITY	1.30 tor	ns/m³	В	ACKGROUND		0.62 ± 0.0	2 c
SOIL					CONTAM	INATED	CLEAN		TOTAL	
_	MASS TOTA				-	tons	89.6 tons		90.2 tons	
	MAXIMUM				63.0	_	60.5 kg			
1	MINIMUM/	SORT			0.8	•	56.0 kg			
		N-GROUND			0.5	•	71.0 yd ³	71.5 yd ³		
		ECOVERY (CLEAN/(HOT	(+CLEAN)		99.4%				
ACTIV	VITY							ED + PARTIC		
					PART		НОТ		EAN	
	TOTAL				6,583	•	1,618 kBq	12	2,416 kBq	
	MAXIMUM				310	•	107 kBq		21 kBq	
_	MINIMUM/				3	kBq	0 Bq 2,769 Bq/kg		-5 kBq 139 Bq/kg	
SORT	SPECIFIC A	CHVIII					2,709 Dq/kg		137 Durk	
		OCESS PERI	one				1,490	T D	NEXP PAUS	SE.
4		LL 80 ELEME		MD>0&MN	D=0)	3	1,470		ME TIME	
		ONE (AD=0	•		- ")	1,236			:05 11:4	
		OME (AD>08			D <mndmax< td=""><td>•</td><td></td><td>_</td><td>:55 12:1</td><td></td></mndmax<>	•		_	:55 12:1	
		NEXPLAINE			0				:33 14:1	
			<ad<1kbq &<="" td=""><td></td><td>4</td><td></td><td></td><td>16</td><td>:03 14:4</td><td>5</td></ad<1kbq>		4			16	:03 14:4	5
			D=0 & MD>		0					
		Α	D<0 & MD >	•0	0					
2	2-SEC CO	UNTPERIOD	S				14,900			
	_	-SEC RECOR				469				
		-SEC RECOR				14,431	4.050			
		OCESS RECC				5)	1,959			
	2-SEC SOF	ESSING REC RT DETECTO	RS				5			
	_	DET		72.92%		5 DET	0	0.00%		
		DET	111	23.67%		6 DET	0	0.00% 0.00%		
		DET DET	16 0	3.41% 0.00%		7 DET 8 DET	0	0.00%		
		TIME BETW	_		87.1		v	0.0070		
		Y DISTRI								
_	ESORTS	2.01.11	ACT_ND	NUM	SPEC_A	FREO%	ACT_P	NUM	FREC) %
-	SORTS	FREO%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		•
1	8	3.4%	-14000	0	-231	0.0%	4	31	6.69	%
2	54	23.2%	-12000	0	-198	0.0%	8	233	49.79	%
3	45	19.3%	-10000	0	-165	0.0%	12	78	16.69	%
4	35	15.0%	-8000	0	-132	0.0%	16	32	6.89	%
5	29	12.4%	-6000	0	-99	0.0%	20	18	3.89	
6	35	15.0%	-4000	4	-66	0.3%	24	18	3.89	
7	21	9.0%	-2000	7	-33	0.5%	28	11	2.39	
8.	6	2.6%	0	26	0		32	8	1.79	
TOTAL	233		2000	42 87	33	2.8%	36 40	3 3	0.69	
2CAT	E SODTS		4000 6000	87 180	66 99	5.8% 12.1%	40 44	2	0.69 0.49	
DET	E SORTS SORTS	FREQ%	8000	301	132	20.2%	48	5	1.19	
9	30	12.7%	10000	360	165	24.1%	52	3	0.69	
10	56	23.7%	12000	281	198	18.8%	56	6	1.39	
11	43	18.2%	14000	135	231	9.1%	60	4	0.99	
12	30	12.7%	16000	48	264	3.2%	64	2	0.49	
13	30	12.7%	18000	16	298	1.1%	68	3	0.69	
14	36	15.3%	20000	2	331	0.1%	72	3	0.69	
15	11	4.7%	22000	2	364	0.1%	76	1	0.29	
TOTAL	236		24000	0	397	0.0%	80	0	0.09	
			26000	0	430		84	0	0.09	
			>28000	0	0	0.0%	>84	5	1.19	%
			TOTAL	1,491			TOTAL	469		
EVENT 1	TYPES	HPE	482	MPE	39	DISE	249			

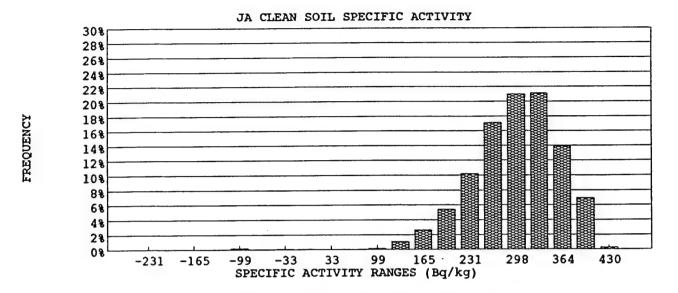


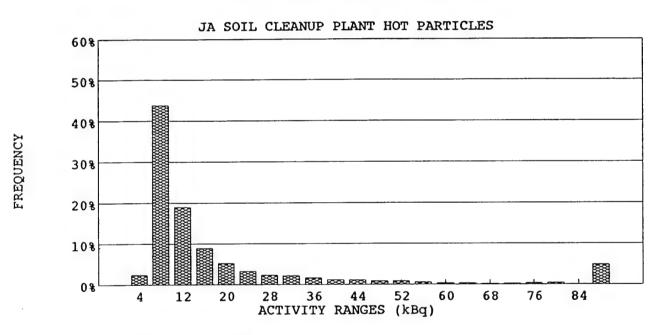


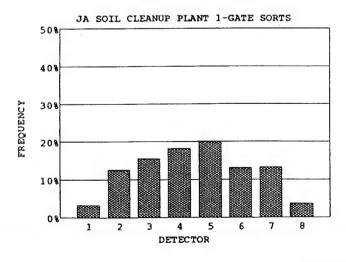


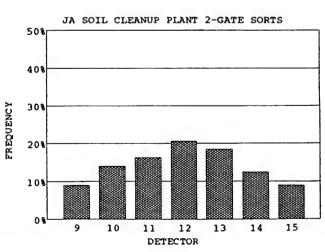
WORK DAY START	06:00 AM	I	WORK DAY E	ND	16:30 PM	
LUNCH START	11:00 AM	I	TIME LOST DU	JRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		10.5 hr	10.5 hr	10.5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HOU	RS	10.2 hr	10.2 hr	9.9 hr	9.9 hr	40.2 hr
SORTER START-UP		06:20	06:20	06:20	06:20	
START SOIL PROCESSING		06:31	06:31	06:32	06:31	
TIME REQUIRED TO STAR	T-UP	0.2 hr	0.2 hr	0.2 hr	0.2 hr	0.8 hr
SORTER SHUT-DOWN		16:30	16:30	16:15	16:15	
END SOIL PROCESSING		16:19	16:21	15:58	15:54	
TIME REQUIRED TO SHUT	DOWN	0.2 hr	0.1 hr	0.3 hr	0.3 hr	0.9 hr
ACTUAL PROCESS HOURS		9.8 hr	9.8 hr	9.4 hr	9.4 hr	38.4 hr
DOWN-TIME		0.4 hr	0.3 hr	0.5 hr	0.5 hr	1.7 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
SORTER NONAVAILABLE	ПМЕ	0.3 hr	0.3 hr	0.6 hr	0.6 hr	1.8 hr
AUTHORIZED DELAY TIM	E	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
PLANT PERFORMANCE						95.7%
PRODUCTIVTY						91.5%
PRODUCTIVITY						
Date		21-Oct-94	Exc	used Delays for d	ay (sorter – hrs)	0 hr
Contract day (from 6 Sep)		341	Exc	used delays for co	ontract (sorter-hrs)	7,212 hr
Current Contract week		57	Exc	used delay days (1	olant – days)	180 days
			Exc	used delay month	s (plant-month)	6.93 months
Soil production for Day		418 MT	•			
Cumlative Soil Production for \	Veck	794 MT	Per	cent of contract co	ompleted	58.1%
Total Soil production for contra	act		Ton	s Ahead or Behin	d Schedule	1,781 MT
Since 6 Sep 9	93	56,471 MT	. Day	s ahead or behind	d schedule	5.6 days
Since 6 Aug	93	58,062 MT	•			
Total Soil production for project	et .	84,348 MT				

SOR	ΓER 1						2	21-Oct-94		
		SORTER SOIL	DENSITY	1.30 to	ons/m³	1	BACKGROUND		0.70	± 0.02 c/s
SOIL	,				CONTA	MINATED	CLEAN		TOTA	AL.
	MASS TO	TAL			9.1	tons	97.6 ton	s	106.7	ions
	MAXIMU	M/SORT			60.5	kg	60.5 kg			
	MINIMUN	M/SORT			0.8	kg	48.4 kg			
		IN-GROUNI				7.2 yd ³			84.6	yd³
		RECOVERY (CLEAN/(HO	T+CLEAN	D)	91.4%				
ACTI	VITY						DISPER	SED + PART	ICLE	
					PAR'	ПСТЕ	HOT		CLEAN	
	TOTAL				112,723	kBq	26,201 kBc	ı	28,233 1	cB q
	MAXIMU				7,549	•	2,849 kBc	1	24 1	•
	MINIMUN				2	kBq	0 Bq			cВq
0070		ACTIVITY	. —				2,865 Bq/	kg	289 1	Bq/kg
SORT										
		ROCESS PER					1,763			PAUSE
		ALL 80 ELEMI			ND=0	104			TIME	TIME
		NONE (AD=0				467			09:28	None
		SOME (AD>0) 1,192			09:34	
	1	UNEXPLAINE			0				13:50	
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			AD=0 & MD> AD<0 & MD :		0					
	2-SEC CC	OUNT PERIOR		-0	U		17,630			
		2-SEC RECOI		ORTS		3,507	17,030			
		2-SEC RECO				14,123				
		ROCESS RECO					5,270			
		CESSING REC	•			,	5			
	2-SEC SC	RTDETECTO	ORS							
}	1	DET	2,465	70.29%		5 DET	7	0.20%		
	2	DET	807	23.01%		6 DET	O	0.00%		
		BDET	185	5.28%		7 DET	0	0.00%		
, 0		DET	43	1.23%		8 DET	0	0.00%		
EDEC		ETIME BETW			14.3	sec	******			
	_	Y DISTRI								
	TE SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET		FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	59	3.3%	-14000	0	-231	0.0%	4	83		2.4%
2		12.6%	-12000	0	-198	0.0%	8	1,536		43.8%
3	275	15.6%	-10000 -8000	0	-165 -133	0.0%	12	666		19.0%
5	322 355	18.3% 20.1%	-8000 -6000	0 3	-132 -99	0.0% 0.2%	16 20	314		9.0% 5.3%
6	232	13.2%	-4000	0	-66	0.2%	24	185 115		5.3% 3.3%
7	234	13.3%	-2000	1	-33	0.0%	28	82		3.3% 2.3%
8	65	3.7%	0	1	0	0.1%	32	77		2.2%
TOTAL	1,764		2000	ō	33	0.0%	36	58		1.7%
			4000	0	66	0.0%	40	40		1.1%
2-GAT	E SORTS		6000	2	99	0.1%	44	37		1.1%
DET	SORTS	FREQ%	8000	17	132	1.0%	48	29		0.8%
9	157	9.0%	10000	. 44	165	2.6%	52	31		0.9%
10	245	14.1%	12000	90	198	5.4%	56	19		0.5%
11	285	16.4%	14000	170	231	10.2%	60	11		0.3%
12	360	20.7%	16000	285	264	17.1%	64	12		0.3%
13	322	18.5%	18000	349	298	21.0%	68	7		0.2%
14	217	12.4%	20000	351	331	21.1%	72	8		0.2%
15	157	9.0%	22000	231	364	13.9%	76	10		0.3%
TOTAL	1,743		24000	116	397	7.0%	80	13		0.4%
			26000	4	430	0.2%	84	3		0.1%
			>28000 _	0	. 0	0.0%	>84	171		4.9%
Tris strik men e	THE COURSE	•••	TOTAL	1,664			TOTAL	3,507		
EVENT	IYPES	HPE	3,458	MPE	569	DISE	8,054			



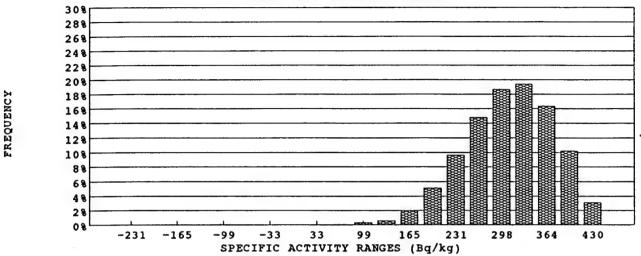


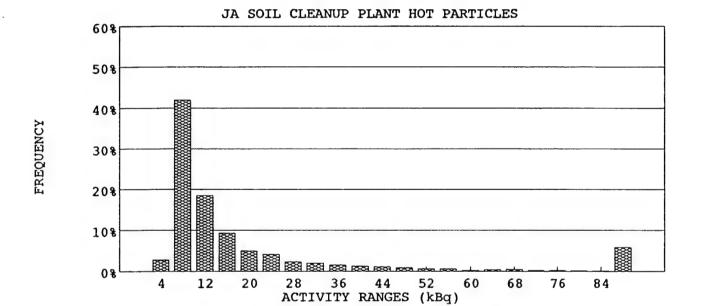


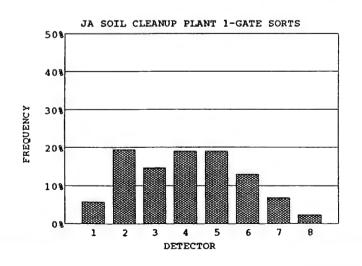


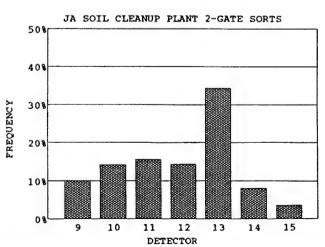
SORT	ER 2						21-	-Oct-94		
	S	ORTER SOIL	DENSITY	1.30 to	ons/m³		BACKGROUND		0.78 :	± 0.02 c
SOIL					CONTAI	MINATED	CLEAN		TOTA	AL.
	MASS TOT					tons	93.7 tons		106.9 1	ons
	MAXIMUN	•			60.5	_	60.5 kg			
	MINIMUM				0.8	-	50.7 kg		04.5	
		IN-GROUNI		TI CT EAR	10.4	yd ³ 87.7%	74.3 yd ³		84.7 y	/d³
ACTI		RECOVERY (CLEAN/(HO	1+CLEAN	<u> </u>	01.170	DIADED OF			
ACII	V 1 1 1				DAD'	TICLE		ED + PART		
	TOTAL				138,244		HOT 27,590 kBq		28,440 I	-D-
	MAXIMUN	MSORT			3,464	•	1,626 kBq		26 1	
	MINIMUM					kBq	(101)Bq		-71	
	SPECIFICA					•	2,099 Bq/kg			3q/kg
SORT	S									
:	20-SEC PR	OCESS PERI	ODS				1,771		UNEXP	PAUSE
	Α	LL 80 ELEM	ENTS SORT (MD>0&M	ND=0)	160			TIME	TIME
		ONE (AD=0				315			06:59	None
		•			ID <mndmax< td=""><td>) 1,295</td><td></td><td></td><td>07:32</td><td></td></mndmax<>) 1,295			07:32	
	U	NEXPLAINE			1				07:33	
			<ad<1kbq< td=""><td></td><td>19</td><td></td><td></td><td></td><td>07:36</td><td></td></ad<1kbq<>		19				07:36	
			\D=0 & MD> \D<0 & MD :		0				07:47 07:48	
2	2-SEC CO	UNT PERIOD		>0	1		17,710		07:48	
		-SEC RECOR		ORTS		4,147	17,710		07:51	
	2.	-SEC RECOR	RDS WITHO	UTSORTS		13,563			08:23	
-	TOTAL PR	OCESS RECO	ORDS (2-s S	ORTS and 2	0-s PERIODS	S)	5,918		09:49	
1	NONPROC	ESSING REC	ORDS (Test,	calibration,	etc)		0		09:55	
2		RETECTO							10:45	
		DET	3,086	74.42%		5 DET	13	0.31%	10:46	
		DET		20.40%		6 DET	0	0.00%		
		DET	172	4.15%		7 DET	3	0.07%	10:57	
		DET TIME BETW	30 EEN 2-SEC	0.72% SORTS	11.5	8 DET	0	0.00%	моге	
		Y DISTRI			11.0	scc				
	ESORTS	DISTRI		NUM	CDEC A	ED EOW	ACCE D	ATT 13.4		FDFOX
	SORTS	FREO%	ACT_ND (Bq)	(#)	(Bq/kg)	FREQ%	ACT_P	NUM		FREQ%
1	100	5.8%	-14000	0	-231	0.0%	(kBq) 4	(#) 116		2.8%
2	335	19.4%	-12000	0	-198	0.0%	8	1,741		42.0%
3	253	14.6%	-10000	Ö	-165		12	769		18.5%
4	329	19.1%	-8000	0	-132	0.0%	16	385		9.3%
5	328	19.0%	-6000	1	-99	0.1%	20	206		5.0%
6	224	13.0%	-4000	0	-66	0.0%	24	170		4.1%
7	118	6.8%	-2000	0	-33	0.0%	28	97		2.3%
OTAL	1,727	2.3%	0 2000	0	0	0.0%	32	83		2.0%
JIAL	1,/2/		4000	0 1	33 66	0.0% 0.1%	36 40	66 52		1.6%
2-GATE	ESORTS		6000	5	99	0.1%	44	47		1.3% 1.1%
	SORTS	FREQ%	8000	9	132	0.6%	48	37		0.9%
9	244	10.1%	10000	31	165	1.9%	52	26		0.6%
10	342	14.1%	12000	82	198	5.1%	56	28		0.7%
11	376	15.5%	14000	155	231	9.6%	60	12		0.3%
12	346	14.3%	16000	238	264	14.8%	64	16		0.4%
13	831	34.3%	18000	300	298	18.6%	68	22		0.5%
14	194	8.0%	20000	312	331	19.4%	72	10		0.2%
15 _	87	3.6%	22000	263	364	16.3%	76	11		0.3%
OTAL	2,420		24000	164	397	10.2%	80	8		0.2%
			26000	50	430	3.1%	84	4		0.1%
			>28000 _	1611	0	0.0%	>84	241		5.8%
VENTT			TOTAL	1,611		_	TOTAL	4,147		
TATE STATE OF	YPES	HPE	4,593	MPE	944	DISE	12,273			



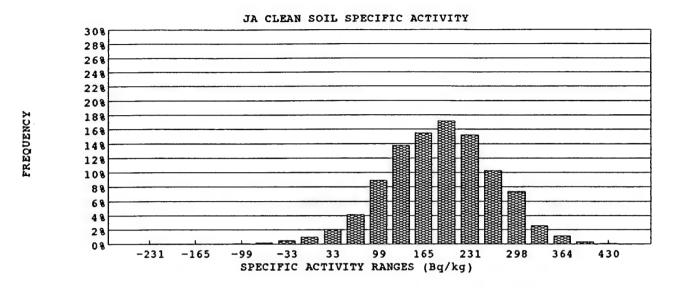


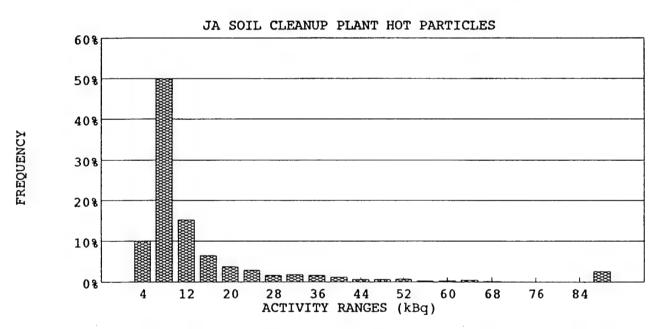


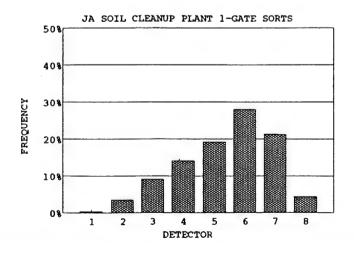


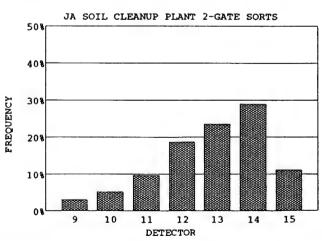


SORT	TER 3			, ;			21-	-Oct-94		
JOACA		SORTER SOIL	DENSITY	1.30 tons	s/m³		BACKGROUND	001 74		0.27 c/s
SOIL						MINATED	CLEAN		TOTA	
	MASS TO	TAL			0.7	tons	102.0 tons		102.7	cons
	MAXIMU	M/SORT			60.5	kg	60.5 kg			
	MINIMU	M/SORT			0.8	•	55.2 kg			
	VOLUME	IN-GROUNI)		0.6	yd³	80.8 yd3		81.4	/d³
	WEIGHT	RECOVERY (CLEAN/(HO	T+CLEAN))		99.3%				
ACTI	VITY				***		DISPERSE	D + PART	ICLE	
					PAR	TICLE	нот		CLEAN	
	TOTAL				10,749		3,077 kBq		17,701	cΒσ
	MAXIMU	M/SORT			-	kBq	285 kBq		24)	-
	MINIMU	M/SORT				kBq	0 Bq		-63	•
	SPECIFIC	ACTIVITY				•	4,416 Bq/kg			3q/kg
SORT										
		ROCESS PERI	200				1.607		UNEXP	DATICE
				MANAGEMENT	D-0\		1,697		TIME	TIME
		ALL 80 ELEMI)=0)	1 270				
		NONE (AD=0 SOME (AD>0			~MND	1,279			09:30 15:08	None
		UNEXPLAINE			, xamunmə 0	, 41/			13.00	
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			CAD<1KBq (0					
			D<0 & MD:		0					
	2-SEC CO	OUNT PERIOD			U		16,970			
		2-SEC RECOI		ORTS		671	10,570			
		2-SEC RECOR				16,299				
		ROCESS RECO			s PERIODS		2,368			
		CESSING REC				-,	5			
		RTDETECTO	-	•	,					
		DET	520	77.50%		5 DET	0	0.00%		
	2	DET	130	19.37%		6 DET	0	0.00%		
	3	DET	18	2.68%		7 DET	0	0.00%		
	4	DET	3	0.45%		8 DET	0	0.00%		
		ETIME BETW			65.3	sec				
FREQ	UENC	Y DISTRI	BUTION	IS						
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREO%	ACT P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	1	0.3%	-14000	Ò	-231	0.0%	4	67		10.0%
2	12	3.5%	-12000	0	-198	0.0%	8	335		49.9%
3	31	9.1%	-10000	0	-165	0.0% ·	12	102		15.2%
4	48	14.2%	-8000	0	-132	0.0%	16	43		6.4%
5	65	19.2%	-6000	1	-99	0.1%	20	25		3.7%
6	95	28.0%	-4000	3	-66	0.2%	24	19		2.8%
7	72	21.2%	-2000	8	-33	0.5%	28	11		1.6%
8	15	4.4%	0	16	0	0.9%	32	12		1.8%
TOTAL	339		2000	35	33	2.1%	36	11		1.6%
			4000	70	66	4.1%	40	8		1.2%
	ESORTS		6000	151	99	8.9%	44	4		0.6%
DET	SORTS	FREQ%	8000	234	132	13.8%	48	4		0.6%
9	10	3.0%	10000	263	165	15.5%	52	5		0.7%
10	17	5.1%	12000	292	198	17.2%	56	2		0.3%
11	32	9.6%	14000	259	231	15.2%	60	2		0.3%
12	62	18.7%	16000	175	264	10.3%	64	3		0.4%
13	78	23.5%	18000	125	298	7.3%	68	1		0.1%
14	96	28.9%	20000	44	331	2.6%	72	0		0.0%
15	37	11.1%	22000	19	364	1.1%	76	0		0.0%
TOTAL	332		24000	5	397	0.3%	80	0		0.0%
			26000	1	430	0.1%	84	0		0.0%
			>28000 _	0	0	0.0%	>84	17		2.5%
EVENT.	CAbec	****	TOTAL	1,701	400	Dice	TOTAL	671		
EVENT 1	TPES	HPE	702	MPE	138	DISE	76			

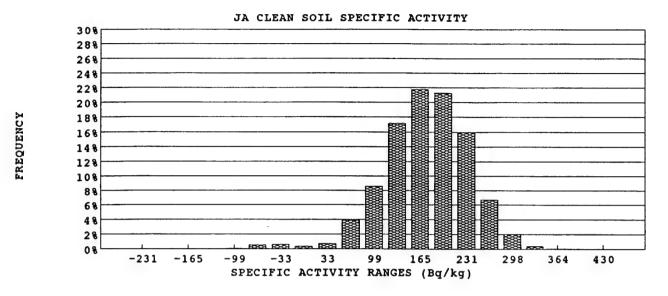


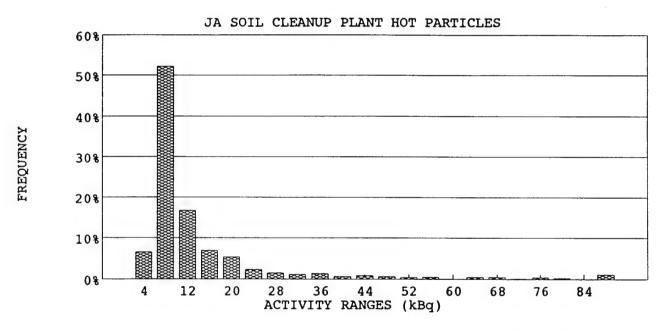


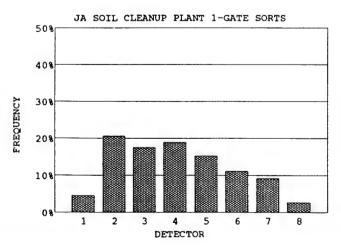


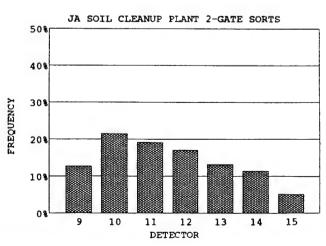


SOR	TER 4						21-	-Oct - 94		
		ORTER SOIL	DENSITY	1.30 to	ns/m³		BACKGROUND		0.63 ±	0.02 c/s
SOIL	,				CONTAI	MINATED	CLEAN		TOTA	
	MASS TOT	AL			0.7	tons	101.5 tons		102.2 t	_
	MAXIMUN				6.1		60.5 kg		102.2 C	Ons
	MINIMUM					kg	54.5 kg			
	VOLUME:	IN-GROUNI)			yd³	80.4 yd ³		81.0 ye	43
	WEIGHT F	ECOVERY (CLEAN/(HO	T+CLEAN)		99.3%	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		02.00 y	
ACT	IVITY						DISPERSE	D T DADT	ICLE	
					PAR'	TICLE	HOT		CLEAN	
	TOTAL				10,492		2,657 kBq		16,243 k	Do
	MAXIMUN	//SORT				kBq	136 kBq		20 k	•
	MINIMUM					kBq	0 Bq		-6 k	•
	SPECIFIC				_		3,813 Bq/kg		160 B	
SOR							0,010 D4/11B		100 2	4/18
0011		OCESS PERI	ODS				1.690		INTERN	DALLEE
		LL 80 ELEME		MDSORM	VD = 0\	0	1,689		UNEXP	
		ONE (AD=0			10-0)	1,249			TIME 09:05	TIME
					D <mndmax< td=""><td></td><td></td><td></td><td>11:03</td><td>None</td></mndmax<>				11:03	None
		NEXPLAINE			0	, 440			12:32	
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			D=0 & MD>		0				14:19	
			D<0 & MD		0				14:48	
	2-SEC CO	UNT PERIOD	os				16,890		15:11	
	2	-SEC RECOR	RDS WITH SO	ORTS		799	,			
	2	-SEC RECOR	RDS WITHO	UTSORTS		16,091				
	TOTAL PR	OCESS RECO	ORDS (2-s S	ORTS and 20	0-s PERIODS	S)	2,488			
	NONPROC	ESSING REC	ORDS (Test,	calibration,	etc)		13			
	2-SEC SOI	RTDETECTO	RS							
	1	DET	593	74.22%		5 DET	1	0.13%		
	2	DET	176	22.03%		6 DET	0	0.00%		
		DET	26	3.25%		7 DET	0	0.00%		
		DET	3	0.38%		8 DET	0	0.00%		
		TIME BETW			57.0	sec				
FREC	QUENCY	Y DISTRI	BUTION	1S						
1-GA7	TE SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	19	4.6%	-14000	0	-231	0.0%	4	52		6.5%
2		20.6%	-12000	0	-198	0.0%	8	417		52.2%
3		17.5%	-10000	0	-165	0.0%	12	134		16.8%
4		18.9%	-8000	0	-132	0.0%	16	55		6.9%
5		15.3%	-6000	1	-99	0.1%	20	43		5.4%
6	46	11.2%	-4000	9	-66	0.5%	24	19		2.4%
7		9.2%	-2000	10	-33	0.6%	28	12		1.5%
8	11	2.7%	0	6	0	0.4%	32	9		1.1%
TOTAL	412		2000	12	33	0.7%	36	11		1.4%
2 647	TT: CODT		4000	66	66	3.9%	40	5		0.6%
	TE SORTS	ED FO	6000	146	99	8.6%	44	7		0.9%
DET 9		FREQ%	8000	292	132	17.2%	48	5		0.6%
10	49 83	12.7% 21.4%	10000	370 .	165	21.7%	52	3		0.4%
11	83 74	21.4% 19.1%	12000 14000	362	198	21.3%	56	4		0.5%
12	66	17.1%	16000	271 114	231 264	15.9%	60	0		0.0%
13	51	13.2%	18000	35	204	6.7%	64	4		0.5%
14	44	11.4%	20000	33 7	331	2.1%	68	4		0.5%
15	20	5.2%	22000	í	364	0.4% 0.1%	72 76	I 2		0.1%
TOTAL	387	J.2 /U	24000	0	397	0.1%	76 80	3		0.4%
	501		26000	0	430	0.0%	80 84	2 0		0.3%
			20000	J	430	0.070	04	U		0.0%
			> 28000	0	0		\Q A	0		1 10
			>28000 _ TOTAL	1,702	0	0.0%	>84 TOTAL	799		1.1%









WORK DAY START	06:00 AM		WORK DAY	END	16:30 PM	
LUNCH START	11:00 AM		TIME LOST	DURING LUNCH	0.0 HR	
		SORTER 1	SORTER	2 SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.5 hr	10.5 H	r 10.5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HOU	RS	8.2 hr	8.2 h	r 8.0 hr	8.0 hr	32.5 hr
SORTER START-UP		06:15	06:15	06:15	06:15	
START SOIL PROCESSING		06:32	06:33	06:36	06:36	
TIME REQUIRED TO STAR	T-UP	0.3 hr	0.3 h	r 0.4 hr	0.4 hr	1.3 hr
SORTER SHUT-DOWN		14:30	14:30	14:15	14:15	
END SOIL PROCESSING		14:20	14:22	14:05	14:05	
TIME REQUIRED TO SHUT	DOWN	0.2 hr	0.1 h	r 0.2 hr	0.2 hr	0.6 hr
ACTUAL PROCESS HOURS		7.7 hr	7.7 h	r 7.5 hr	7.5 hr	30.4 hr
DOWN-TIME		0.6 hr	0.5 h	r 0.5 hr	0.5 hr	2.1 hr
SYSTEM PAUSE		0.1 hr	0.1 h	r 0.0 hr	0.0 hr	0.2 hr
SORTER NONAVAILABLE	пме	2.3 hr	2.3 h	r 2.5 hr	2.5 hr	9.5 hr
AUTHORIZED DELAY TIM	Е	0.0 hr	0.0 h	r 0.0 hr	0.0 hr	0.0 hr
PLANT PERFORMANCE						93.4%
PRODUCTIVTY						72.3%
PRODUCTIVITY						
Date	2	22-Oct-94	F	Excused Delays for a	day (sorter-hrs)	0 hr
Contract day (from 6 Sep)		342			ontract (sorter-hrs)	7,212 hr
Current Contract week		57	E	excused delay days (plant-days)	180 days
			F	excused delay month	hs (plant-month)	6.93 months
Soil production for Day		330 M	r			
Cumlative Soil Production for V	Veek	1,125 MT	г Р	ercent of contract of	completed	58.4%
Total Soil production for contra	ct		7	ons Ahead or Behi	nd Schedule	1,794 MT
Since 6 Sep 9	03	56,801 M	r i	Days ahead or behin	d schedule	5.7 days
Since 6 Aug	93	58,392 M	Γ			
Total Soil production for projec	t	84,679 M	r			

File Report1 Printed on 25-Oct-94 at 11:54:33 AM

MT = metric tons

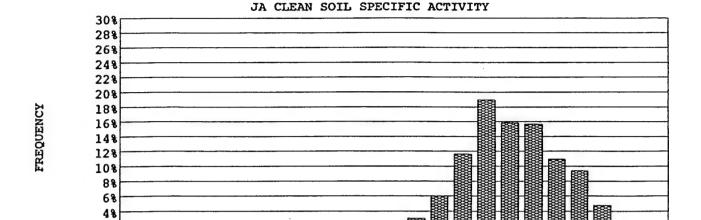
SORT	ER 1	-					22	2-Oct-94		
0075	S	ORTER SOIL	DENSITY	1.30 to			BACKGROUND		2.32	
SOIL					CONTAN	MINATED	CLEAN		TOTA	L
	MASS TOT					tons	69.9 tons		83.6 t	ons
	MAXIMUN	-			60.5	-	60.5 kg			
	MINIMUM	•			0.8	_	53.7 kg			
		N-GROUNE		T+ (T E 4 N)	10.9	83.6%	55.4 yd ³		66.3 y	,d3
	VITY	ECOVERY (CLEAN/(NO	ITCLEAN)	63.0%	D. CONTO	FD . D.D.		
ACII	VIII				DADO	DO F		SED + PART		
	momaz					TICLE	нот		CLEAN	_
	TOTAL	(CODT			48,189	•	16,547 kBq		17,526 k	•
	MAXIMUM MINIMUM				5,498	kBq	2,277 kBq 0 Bq		24 k -9 k	
	SPECIFIC A				3	KDQ	1,205 Bq/k	9	251 H	•
SORT							1,200 241	9	211	74×5
		OCESS PERI	ODS				1,382		UNEXP	DATISE
		LL 80 ELEME		MD>0&M	ND=0)	210	1,002		TIME	TIME
		ONE (AD=0			• • •	664			10:59	12:24
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		Α	D=0 & MD>	•0	0					
		Α	D<0 & MD	>0	0					
		UNTPERIOD					13,820			
	_	-SEC RECOR				1,654				
		-SEC RECOR			nenion.	12,166				
			•		0-s PERIODS	5)	3,036			
		ESSING REC RT DETECTO	•	cambration,	eic)		8			
		DET	1,186	71.70%		5 DET	3	0.18%		
	-	DET	378	22.85%		6 DET	0	0.10%		
		DET	76	4.59%		7 DET	0	0.00%		
		DET	11	0.67%		8 DET	0	0.00%		
	AVERAGE	TIME BETW	EEN 2-SEC	SORTS	23.3	sec				
FREC	UENCY	Y DISTRI	BUTION	1S						
1-GAT	ESORTS		ACT_ND	NUM	SPEC A	FREO%	ACT P	NUM		FREO%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		1112470
1	39	4.6%	-14000	Ò	-231	0.0%	4	35		2.1%
2	97	11.6%	-12000	0	-198	0.0%	8	671		40.6%
3	136	16.2%	-10000	0	-165	0.0%	12	328		19.8%
4	147	17.5%	-8000	1	-132	0.1%	16	176		10.6%
5	169	20.1%	-6000	3	-99	0.3%	20	100		6.0%
6	118	14.1%	-4000	3	-66	0.3%	24	74		4.5%
7	99	11.8%	-2000	6	-33	0.5%	28	45		2.7%
8 277A I	34	4.1%	2000	7	0	0.6%	32	25		1.5%
OTAL	839		2000 4000	4	33	0.3%	36	31		1.9%
2-GAT	ESORTS		6000	1 13	66 99	0.1% 1.1%	40 44	24		1.5%
DET	SORTS	FREQ%	8000	36	132	3.1%	48	23 10		1.4% 0.6%
9	75	9.2%	10000	71	165	6.0%	52	8		0.5%
10	117	14.4%	12000	137	198	11.6%	56	9		0.5%
11	149	18.3%	14000	224	231	19.0%	60	7		0.4%
12	151	18.5%	16000	187	264	15.8%	64	11		0.7%
13	162	19.9%	18000	185	298	15.7%	68	4		0.2%
14	84	10.3%	20000	129	331	10.9%	72	1		0.1%
15	77	9.4%	22000	111	364	9.4%	76	3		0.2%
OTAL	815		24000	56	397	4.7%	80	4		0.2%
			26000	6	430	0.5%	84	4		0.2%
			>28000	0	0	0.0%	>84	61		3.7%
			TOTAL	1,180			TOTAL	1,654		370

28 0%

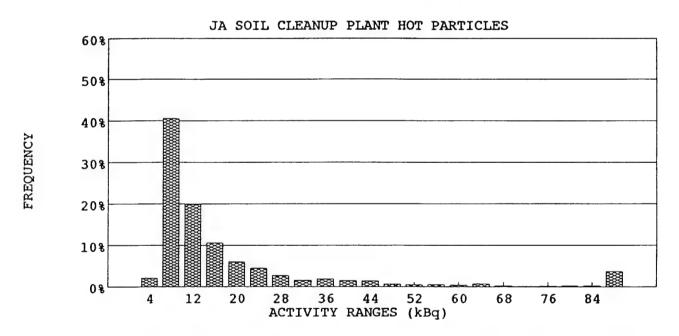
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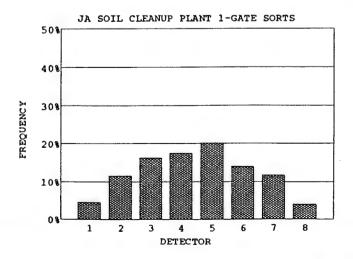
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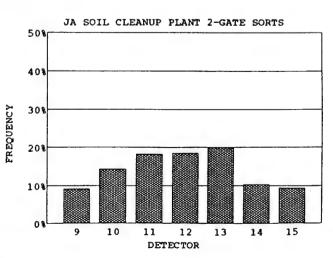
-99



-99 -33 33 99 165 231 SPECIFIC ACTIVITY RANGES (Bq/kg)







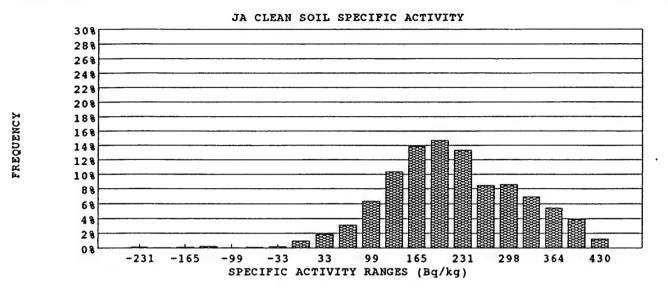
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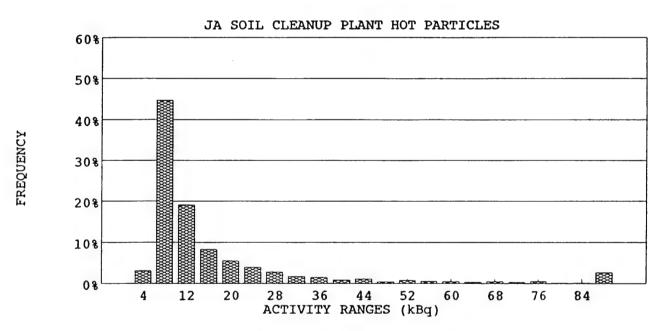
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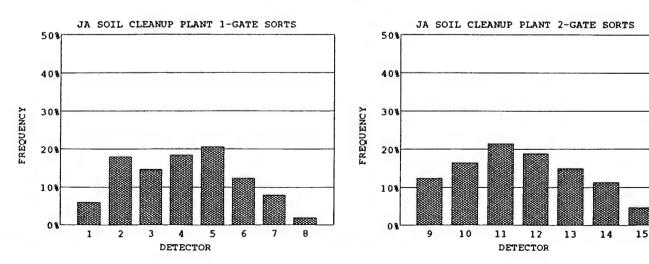
298

430

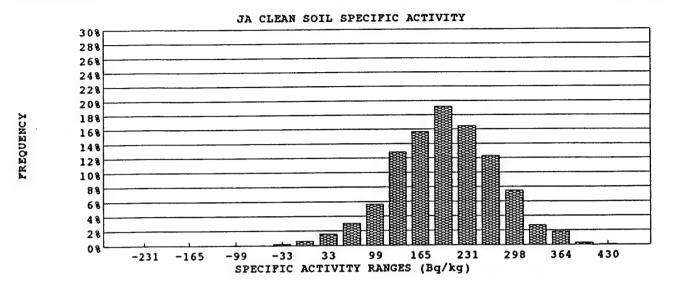
SORT	TFR 2							22-Oct-94		
SOR	LICE	SORTER SOIL	DENSITY	1.30 ton	ns/m³		BACKGROUN		0.77 :	± 0.04 c/s
SOIL					CONTAM	INATED	CLEA	N	TOTA	_
	MASS T	OTAL			5.8	tons	77.9 to		83.8 t	ons
	MAXIM	UM/SORT			60.5	_	60.5 k	-		
		UM/SORT			0.8	_	52.2 k		66.4 y	.as
		IE IN-GROUND		C. CT TO A NO.	4.6	ya ³ 93.0%	61.8 ye	a³	00.4 y	/u ²
A CTTY		TRECOVERY (LLEAN/(HUI	+ULEAN)		93.070	Dichi	ERSED + PARTI	CLE	
ACH	VITY				DAD7	TO E			CLEAN	
	mom. I				PART 33,798		HOT 11,375 k		15,856)	r Bor
	TOTAL	UM/SORT			1,319	•	667 k	•	26)	-
		UM/SORT				kBq	0 B	•	-13 1	
	-	IC ACTIVITY				•	1,947 B	-	204 1	Bq/kg
SORT										
		PROCESS PERI	ODS				1,386		UNEXP	PAUSE
		ALL 80 ELEMI		MD>0&MN	D=0	76			TIME	TIME
		NONE (AD=0				678			08:31	12:24
		SOME (AD>0				632			10:27	
		UNEXPLAINE			0					
			<ad<1kbq &<br="">.D=0 & MD></ad<1kbq>		2					
		_	D<0 & MD >		0					
	2-SEC	COUNT PERIOR		-	Ů		13,860			
	2 020	2-SEC RECOI		ORTS		1,655				
		2-SEC RECO	RDS WITHOU	JT SORTS		12,205				
	TOTAL	PROCESS RECO	ORDS (2-s SC	ORTS and 20	-s PERIODS	5)	3,041			
		OCESSING REC		calibration, o	etc)		4			
	2-SEC	SORT DETECTO		74.200		c DET	1	0.06%		
		1 DET 2 DET	1,230 351	74.32% 21.21%		5 DET 6 DET	0	0.00%		
		3 DET	64	3.87%		7 DET	0	0.00%		
		4 DET	9	0.54%		8 DET	0	0.00%		
	AVERA	GE TIME BETW	EEN 2-SEC	SORTS	22.5	sec				
FRE		ICY DISTR								
1	TESORT		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORT	S FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	. 5	6.0%	-14000	2	-231	0.2%	4	52		3.1%
2	2 15	0 18.1%	-12000	1	-198	0.1%	8	740		44.7%
3			-10000	2	-165	0.2%	12	316		19.1%
4			-8000 -6000	3 1	-132 -99	0.2% 0.1%	16 20	137 91		8.3% 5.5%
5			-4000 -4000	2	-66	0.1%		66		4.0%
7		66 7.9%	-2000	3	-33	0.2%		47		2.8%
8		6 1.9%	0	13	0	1.0%		29		1.8%
TOTAL			2000	24	33	1.8%		25		1.5%
			4000	41	66	3.1%		15		0.9%
11	TE SOR		6000	83	99	6.3%		19		1.1%
DET			8000	136	132	10.4%		7		0.4%
9			10000	182	165	13.9%		13		0.8% 0.6%
10			12000 14000	193 175	198 231	14.7% 13.3%		10		0.5%
11			16000	111	264	8.4%		6		0.4%
13			18000	113	298	8.6%		8		0.5%
14		3 11.3%	20000	91	331	6.9%		6		0.4%
15		39 4.7%	22000	71	364	5.4%		10		0.6%
TOTAL			24000	51	397	3.9%		3		0.2%
			26000	16	430			3		0.2%
1			>28000	0	0	0.0%		44	-	2.7%
l			TOTAL	1,314			TOTAL	1,655		
EVENT	TYPES	HPE	1,668	MPE	434	DISE	5,783			

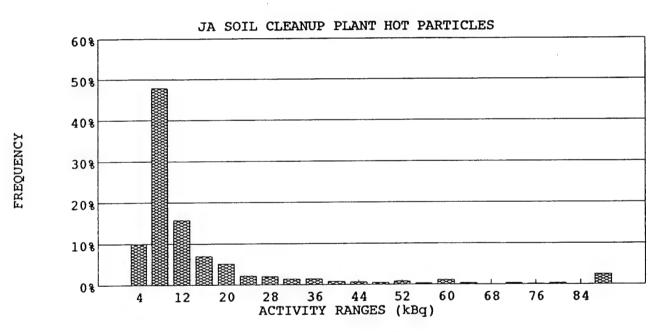


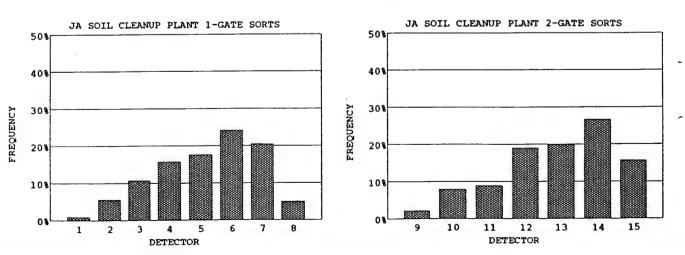




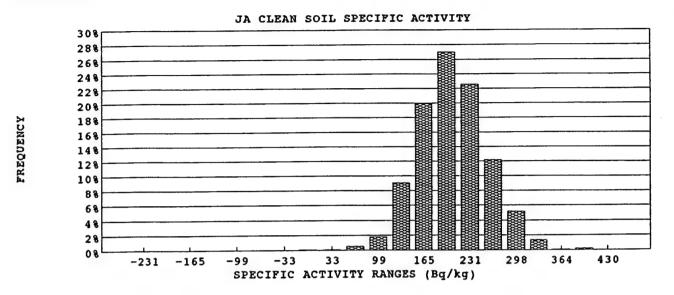
SORT	ER3						2	22-Oct-94		
2011	S	ORTER SOIL	DENSITY	1.30 to			BACKGROUND			0.27 c
SOIL						INATED	CLEAN		TOTA	
	MASS TOT					tons	80.9 ton	S	81.6 t	cons
	MAXIMUN				7.6	_	60.5 kg			
	MINIMUM				0.8	•	52.9 kg		646.	
		N-GROUND		C C EAN	0.5	ya [,] 99,3%	64.2 yd3		64.6 <u>y</u>	703
	VITY	ECOVERY (LEAN/(HU	I+CLEAN)	<u> </u>	99.370	Diener	RSED + PART	ICLE	
ACII	VIII				DADO	n ca e	HOT		CLEAN	
•	mom a t				9,599	TICLE	2,814 kBc		14,891	·De
	TOTAL	(CODT			-	kBq	154 kBc	•	25)	•
	MAXIMUM MINIMUM					kBq	0 Bq	•	-4)	-
	SPECIFIC				3	жDq	4,648 Bq/			ary Bq/kg
SORT										
		OCESS PERI	2GO				1,348		UNEXP	PAUSE
		LL 80 ELEME		MD>0&MI	VD=0)	0	1,5 10		TIME	TIME
		ONE (AD=0	,			980			09:06	None
		OME (AD>08			D <mndmax< td=""><td></td><td></td><td></td><td>10:31</td><td></td></mndmax<>				10:31	
		NEXPLAINE			0					
		0	<ad<1kbq< td=""><td>& MD>0</td><td>2</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq<>	& MD>0	2					
			D=0 & MD>		0					
		Α	D<0 & MD :	>0	0					
	2-SEC CO	UNT PERIOD	S				13,480			
	2	-SEC RECOR	RDS WITH SO	ORTS		646				
		-SEC RECOR				12,834				
		OCESS RECC				5)	1,994			
		ESSING REC		calibration,	etc)		0			
		RTDETECTO					_			
		DET	486	75.23%		5 DET	0	0.00%		
		DET	138			6 DET	0	0.00%		
		DET	21	3.25%		7 DET	0	0.00%		
		DET TIME BETW	1 EEN 2_SEC	0.15%	55.5	8 DET	0	0.00%		
		Y DISTRI			33.3	SCC				
	ESORTS	DISTRI	ACT_ND	NUM	SDEC V	FREQ%	ACT_P	NUM		FREO%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	I'KEQ70	(kBq)	(#)		I'KLQ70
1	30.613	0.9%	-14000	0	-231	0.0%	(KDQ) 4	64		9.9%
2	18	5.6%	-12000	0	-198	0.0%	8	309		47.8%
3	34	10.7%	-10000	0	-165	0.0%	12	101		15.6%
4	50	15.7%	-8000	0	-132	0.0%	16	45		7.0%
5	56	17.6%	-6000	0	-99	0.0%	20	33		5.1%
6	77	24.1%	-4000	0	-66	0.0%	24	14		2.2%
7	65	20.4%	-2000	3	-33	0.2%	28	13		2.0%
8	16	5.0%	0	8	0	0.6%	32	9		1.4%
TOTAL	319		2000	21	33	1.6%	36	9		1.4%
			4000	41	66	3.0%	40	5		0.8%
	ESORTS		6000	76	99	5.6%	44	4		0.6%
DET	SORTS	FREQ%	8000	173	132	12.8%	48	3		0.5%
9	7	2.1%	10000	211	165	15.7%	52	5		0.8%
10	26	8.0%	12000	259	198	19.2%	56	2		0.3%
11	29	8.9%	14000	222	231	16.5%	60	7		1.1%
12	62	19.0%	16000	166	264	12.3%	64	2		0.3%
	65	19.9%	18000	101	298	7.5%	68	0		0.0%
13	87	26.6% 15.6%	20000 22000	37 25	331	2.7%	72 76	2		0.3%
14		13000	22000	25	364	1.9%	76	1		0.2%
14 15	51	13.070			202	A 2~	0.0	~		0.22
14 15		13.0%	24000	4	397	0.3%	80	2		0.3%
14	51	13.0%	24000 26000	1	430	0.1%	84	Ō		0.0%
14 15	51	13.0%	24000							

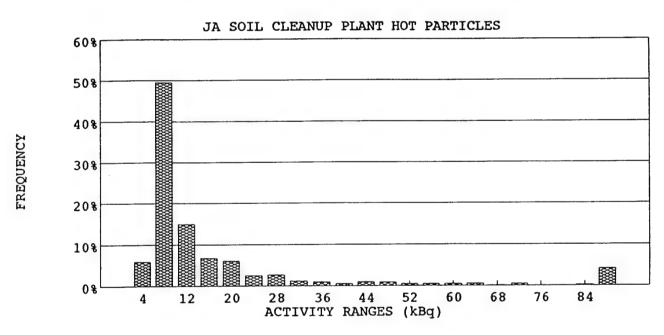


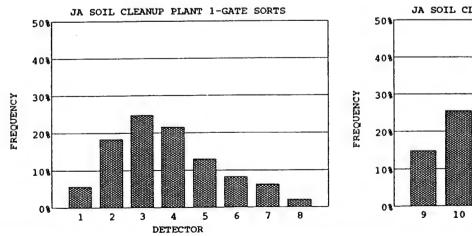


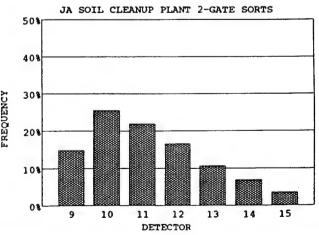


SOR	TER 4							22-Oct-94		
		SORTER SOIL	DENSITY	1.30 to	ns/m³		BACKGROUN	ID	0.63	0.02 c/s
SOIL	,				CONTAN	INATED	CLEA	N	TOTA	
	MASS T					tons	80.8 t		81.5 t	cons
		UM/SORT			6.8		60.5 k			
		JM/SORT			0.8 0.6	-	53.7 k 64.0 y	-	64.6 y	rd3
		E IN-GROUNI TRECOVERY (r+ci fan		99.1%	64.0 y	·u-	04.0)	,u ^s
ACT	VITY	RECOVERI	CILIUMIN	· · · · ·	<i>/</i>	33.170	DISP	ERSED + PART	CLE	
ACI					PART	TICLE	HOT	EKSED + IAKI	CLEAN	
	TOTAL				15,381		3,704 k	:Bq	15,471	cBq
		UM/SORT			•	kBq	285 k	-	23 1	•
	MINIM	JM/SORT			3	kBq	0 F	3q	1 1	сBq
		CACTIVITY					5,314 E	3q/kg	191 1	Bq/kg
SOR	TS									
	20-SEC	PROCESS PERI					1,347			PAUSE
		ALL 80 ELEMI			ND=0)	0			TIME	TIME
		NONE (AD=0			ID <}\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	943			08:46	None
		SOME (AD>0			D <mndmax 0</mndmax) 404			08:59 11:44	
			<ad<1kbq &<="" td=""><td></td><td>3</td><td></td><td></td><td></td><td>11.44</td><td></td></ad<1kbq>		3				11.44	
			D=0 & MD>		0					
			D<0 & MD :		0					
	2-SEC	COUNTPERIOR					13,470			
		2-SEC RECOI				828				
		2-SEC RECOI			o - PERIOD	12,642	0.175			
		PROCESS RECO				>)	2,175 1			
		OCESSING REC		Canoration,	eicj		•			
	2 DLC	1 DET		75.24%		5 DET	2	0.24%		
		2 DET	171	20.65%		6 DET	0	0.00%		
		3 DET	28	3.38%		7 DET	0	0.00%		
		4 DET	4	0.48%		8 DET	0	0.00%		
		GE TIME BETW			43.2	sec				
1		CY DISTR								
	TESORT		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET		-	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#)		5 007
1 2			-14000 -12000	0	-231 -198	0.0% 0.0%	4 8	49 410		5.9% 49.5%
3			-10000	0	-165		12	124		15.0%
4			-8000	o	-132	0.0%	16	56		6.8%
5			-6000	0	-99	0.0%	20	50		6.0%
6			-4000	0	-66	0.0%	24	21		2.5%
7			-2000	0	-33	0.0%	28	22		2.7%
8	9	_	2000	1	0	0.1%	32	10		1.2%
TOTAL	. 436		2000 4000	1 7	33 66	0.1% 0.5%	36 40	8 5		1.0%
2-GA	TESORT	S	6000	24	99	1.8%	40	8		0.6% 1.0%
	SORTS		8000	122	132	9.1%	48	7		0.8%
9			10000	269	165	20.0%	52	4		0.5%
10			12000	364	198	27.0%	56	4		0.5%
11			14000	304	231	22.6%	60	4		0.5%
12			16000	164	264	12.2%	64	5		0.6%
13			18000	70	298	5.2%	68	1		0.1%
14			20000	18	331	1.3%	72 76	4		0.5%
15 TOTAL			22000 24000	1 3	364 397	0.1% 0.2%	76 80	0		0.0% 0.0%
IOIAL	. 392	•	26000	0	430	0.2%	84	2		0.0%
			>28000	0	0	0.0%	>84	34		4.1%
			TOTAL	1,348			TOTAL	828	•	
EVENT	TYPES	HPE	829	MPE	89	DISE	0			



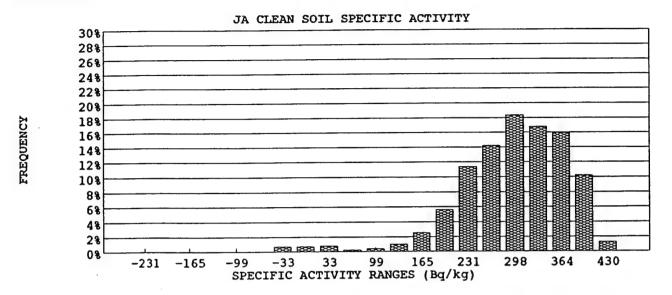


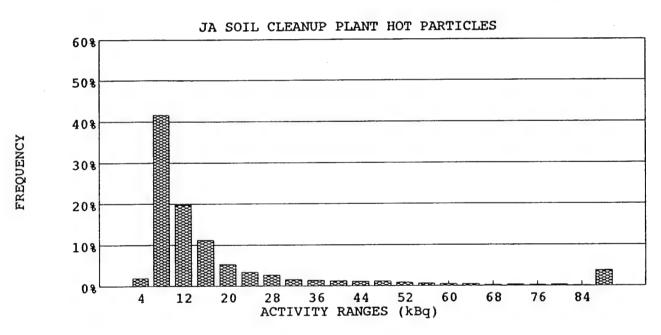


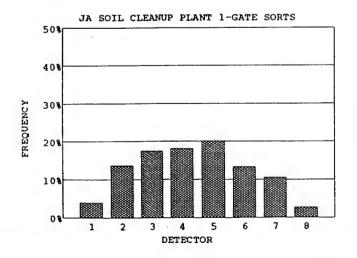


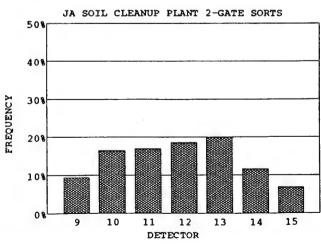
WORK DAY START	06:00 AM		WORK DAY EN	ND	16:30 PM	
LUNCH START	11:00 AM		TIME LOST DU	IRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL
						(sorter hours)
WORK HOURS		10.5 hr	10.5 hr	10.5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HO	URS	9.6 hr	9.6 hr	9.8 hr	9.8 hr	38.7 hr
SORTER START-UP		06:45	06:45	06:30	06:30	
START SOIL PROCESSING	3	06:59	06:59	06:47	06:47	
TIME REQUIRED TO STA	RT-UP	0.2 hr	0.2 hr	0.3 hr	0.3 hr	1.0 hr
SORTER SHUT-DOWN		16:20	16:20	16:15	16:15	
END SOIL PROCESSING		16:18	16:19	13:30	13:25	
TIME REQUIRED TO SHU	JT DOWN	0.0 hr	0.0 hr	2.7 hr	2.8 hr	5.6 hr
ACTUAL PROCESS HOUR	RS	9.3 hr	9.3 hr	6.4 hr	6.6 hr	31.7 hr
DOWN-TIME		0.3 hr	0.2 hr	3.4 hr	3.1 hr	7.0 hr
SYSTEM PAUSE		0.0 hr	0.0 hr	0.4 hr	0.3 hr	0.7 hr
SORTER NONAVAILABLE	ETIME	0.9 hr	0.9 hr	0.7 hr	0.7 hr	3.3 hr
AUTHORIZED DELAY TI	ME	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
PLANT PERFORMANCE						81.9%
PRODUCTIVTY						75.4%
PRODUCTIVITY						
Date		24-Oct-94	Exc	used Delays for d	ay (sorter-hrs)	0 hr
Contract day (from 6 Sep)		343	Exc	used delays for co	ontract (sorter-hrs)	7,212 hr
Current Contract week		58	Exc	used delay days (j	plant – days)	180 days
			Exc	used delay month	s (plant-month)	6.93 month
Soil production for Day		345 MT				
Cumlative Soil Production for	r Week	345 MT	Per	cent of contract co	ompleted	58.7%
Total Soil production for con	tract		Ton	s Ahead or Behir	nd Schedule	1,823 MT
Since 6 Se	p 93	57,146 MT	Day	s ahead or behind	d schedule	5.8 days
Since 6 A	ug 93	58,737 MT				
Total Soil production for pro	ject	85,024 MT				
MT = metric tons						

SORT	ER 1						2	4-Oct-94		
		SORTER SOIL	DENSITY	1.30 to	ons/m³		BACKGROUND		2.38 :	± 0.06 c/s
SOIL					CONTAN	MINATED	CLEAN		TOTA	T
ì	MASS TO				_	tons	76.9 tons	5	101.6 t	ons
ł	MAXIMUI	•			60.5 0.8	-	60.5 kg			
1	MINIMUM	1/30k I IN-GROUND)		19.6	-	52.2 kg 60.9 yd ³		80.5 y	rd3
		RECOVERY (r+clean		75.7%	00.5 yu		00D y	•
ACTI							DISPER	SED + PART	ICLE	
					PAR	TICLE	нот		CLEAN	
	TOTAL				86,639	kBq	30,095 kBq	1	21,931 k	Вq
	MAXIMU	M/SORT			10,647	kBq	5,635 kBq		25 k	Вq
Į.	MINIMUM				3	kBq	0 Bq		-3 k	-
	SPECIFIC	ACTIVITY					1,219 Bq/	kg	285 F	3q/kg
SORT										
		ROCESS PERI					1,678		UNEXP	
		ALL 80 ELEME	•		ND=0)	379			TIME	TIME
		NONE (AD=0		,	in < Min	536			08:15	None
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			D=0 & MD>		0					
			D<0 & MD >		0					
		OUNT PERIOD					16,780			
	_	-SEC RECOR				3,018				
		SEC RECOR				13,762	4.606			
		CESSING REC	•			5)	4,696 2			
		RT DETECTO	•	Calloration,	cicy		2			
		DET		71.07%		5 DET	8	0.27%		
	2	DET	683	22.63%		6 DET	0	0.00%		
	3	DET	154	5.10%		7 DET	0	0.00%		
		DET	28	0.93%		8 DET	0	0.00%		
		ETIME BETW			15.6	sec				
		Y DISTRI								
	ESORTS	ED E O &	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DEI	SORTS 59	FREQ% 3.9%	(Bq) -14000	(#) 0	(Bq/kg) -231	0.0%	(kBq)	(#) 58		1.9%
2	207	13.7%	-12000	0	- 198	0.0%	8	1.256		41.6%
3	263	17.5%	-10000	0	-165	0.0%	12	596		19.7%
4	272	18.0%	-8000	0	-132	0.0%	16	337		11.2%
5	303	20.1%	-6000	0	-99	0.0%	20	161		5.3%
6	202	13.4%	-4000	0	-66	0.0%	24	102		3.4%
7	160	10.6%	-2000	9	-33	0.7%	28	82		2.7%
8	41	2.7%	2000	9	0	0.7%	32	50		1.7%
TOTAL	1,507		2000 4000	10 3	33 66	0.8% 0.2%	36 40	42 38		1.4% 1.3%
2-GAT	ESORTS		6000	5	99	0.4%	44	36		1.1%
DET	SORTS	FREQ%	8000	13	132	1.0%	48	35		1.2%
9	142	9.4%	10000	33	165	2.5%	52	25		0.8%
10	249	16.5%	12000	73	198	5.6%	56	19		0.6%
11	257	17.0%	14000	148	231	11.4%	60	15		0.5%
12	281	18.6%	16000	185	264	14.2%	64	15		0.5%
13	303	20.1%	18000	239	298	18.4%	68	7		0.2%
14	175	11.6%	20000	218	331	16.8%	72	10		0.3%
TOTAL	104 1,511	6.9%	22000 24000	207 133	364 397	15.9%	76 80	8		0.3% 0.3%
IOIAL	1,511		26000	16	430	10.2%	80 84	10 3		0.3%
			>28000	0	430	1.2% 0.0%	>84 >84	115		3.8%
			TOTAL	1,301	U	U.U70	TOTAL	3,018		3.070
EVENT	TYPES	HPE	2,942	MPE	744	DISE	28,965	5,510		

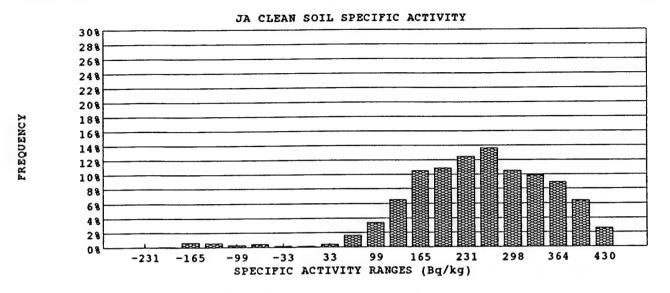


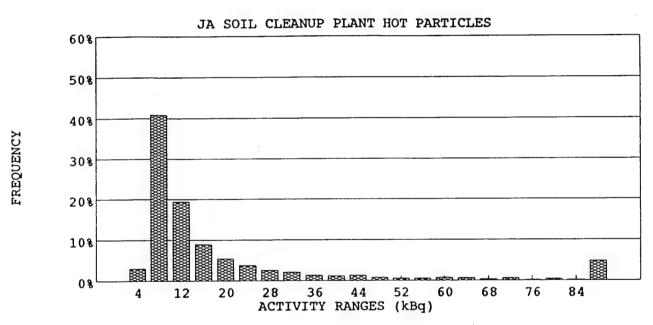


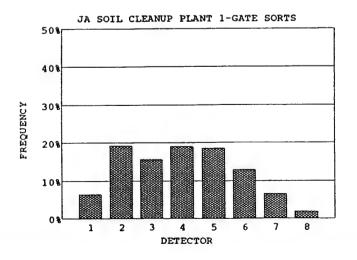


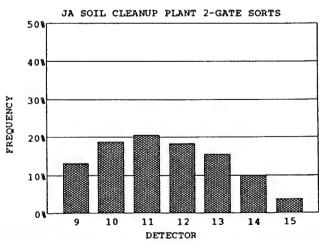


CODT	ED 2							24-Oct-94		
SORT		ORTER SOIL	DENSITY	1.30 tor	ns/m³		BACKGROUN		0.79 :	€ 0.03 c/
SOIL	J.	SKI EK GOLE	22		CONTAM	INATED	CLEAI	N	TOTA	L
	MASS TOT	AT.			10.8		90.7 to	ons	101.6 t	ons
_	MAXIMUM				60.5	kg	60.5 k	g		
	MINIMUM				0.8	_	50.7 k			
		N-GROUND	•		8.6	yd³	71.9 y	d³	80.5 y	rd³
		ECOVERY (C		+CLEAN))	89.3%				
ACTIV							DISP	ERSED + PART	CLE	
					PART	ICLE	нот		CLEAN	
7	TOTAL				91,854	kBq	27,091 k	Bq	21,500 }	сВg
	MAXIMUM	/SORT			4,248	-	1,999 k	Bq	26 1	кBq
_	MINIMUM				3	kBq	0 E	lq .	-12)	сBg
S	SPECIFIC A	ACTIVITY					2,501 E	3q/kg	237 I	3q/kg
SORT	S									
		OCESS PERI	ODS				1,681		UNEXP	PAUSE
		LL 80 ELEME		MD>0&MN	(D=0)	143			TIME	TIME
		ONE (AD=0			·	572			07:15	None
	S	OME (AD>08	k0 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td>966</td><td></td><td></td><td>11:28</td><td></td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td>966</td><td></td><td></td><td>11:28</td><td></td></mndmax)<>	966			11:28	
		NEXPLAINE			0				11:29	
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		Α	D=0 & MD>	0	0					
		Α	D<0 & MD >	•0	0					
2		UNT PERIOD					16,810			
	_	-SEC RECOR				3,065				
		-SEC RECOR				13,745	4.746			
		OCESS RECO				5)	4,746			
		ESSING REC	•	calibration, e	etc)		2			
2		RT DETECTO		70.440		CDET	19	0.62%		
		DET	2,159	70.44%		5 DET	0	0.00%		
		DET		23.16%		6 DET 7 DET	1	0.03%		
		DET	143	4.67% 1.11%		8 DET	0	0.00%		
		DET TIME BETW	34 EEN 2_SEC		15.6		U	0.0070		
					15.0	300				
		Y DISTRI			CDEC A	ED EOW	ACT D	NUM		FREQ%
	ESORTS		ACT_ND	NUM	SPEC_A	PREQ%				FREQ70
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg) -231	0.0%	(kBq)	(#) 94		3.1%
1	99	6.5%	-14000	0	-198	0.0%	8	1,252		40.8%
2	294	19.2% 15.6%	-12000 -10000	1 10	-165		12	595		19.4%
3 4	239 292	19.0%	-8000	9	-132	0.6%	16	273		8.9%
5	284	18.5%	-6000	5	-99	0.3%	20	166		5.4%
6	197	12.9%	-4000	7	-66	0.5%	24	117		3.8%
7	100	6.5%	-2000	3	-33	0.2%	28	80		2.6%
8	28	1.8%	0	2	0	0.1%	32	65		2.1%
TOTAL -	1,533	*****	2000	6	33	0.4%	36	42		1.4%
			4000	25	66	1.6%	40	37		1.2%
2-GATI	ESORTS		6000	52	99	. 3.4%	44	40		1.3%
DET	SORTS	FREQ%	8000	100	132	6.5%	48	24		0.8%
9	202	13.2%	10000	162	165	10.5%	52	18		0.6%
10	287	18.7%	12000	167	198	10.8%	56	18		0.6%
11	316	20.6%	14000	192	231	12.5%	60	22		0.7%
12	281	18.3%	16000	209	264	13.6%	64	20		0.7%
13	237	15.5%	18000	162	298	10.5%	68	11		0.4%
14	153	10.0%	20000	152	331	9.9%	72	19		0.6%
15	56	3.7%	22000	137	364	8.9%	76	6		0.2%
TOTAL	1,532		24000	99	397	6.4%	80	13		0.4%
			26000	40	430	2.6%	84	6		0.2%
			>28000	0	0	0.0%	>84	147		4.8%
			TOTAL	1,540			TOTAL	3,065		
							10,743			

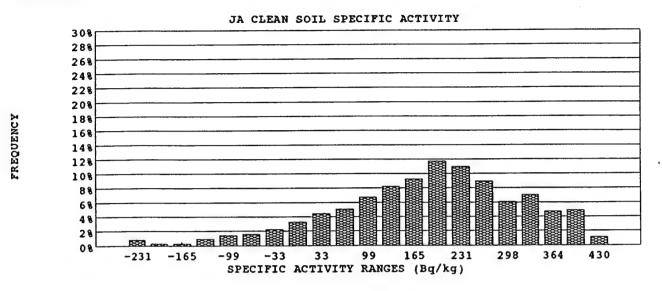


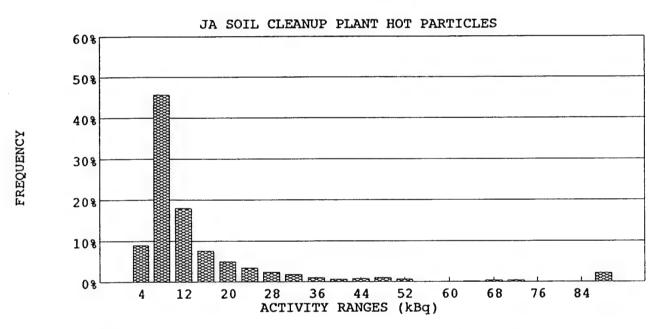


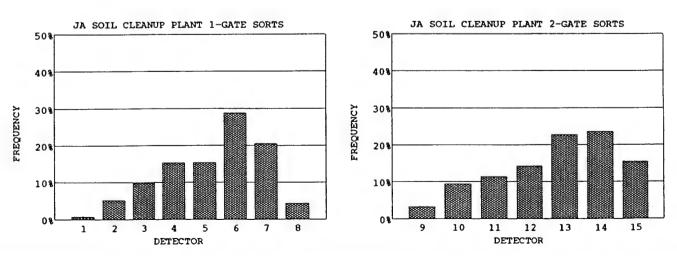




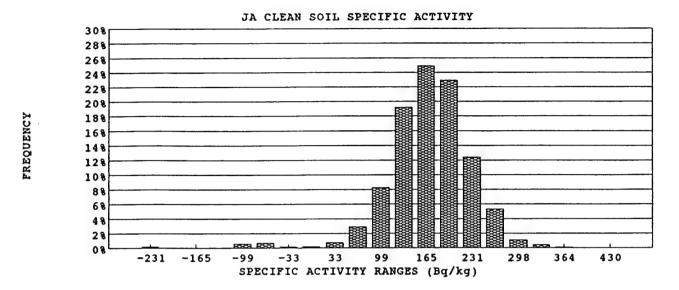
SORT	ER 3						24-	-Oct-94		
		ORTER SOIL	DENSITY	1.30 to			ACKGROUND			0.80 c/
SOIL					CONTAN	INATED	CLEAN		TOTA	_
1	MASS TOTA	AL			4.3	tons	65.0 tons		69.3 t	tons
1	MAXIMUM	SORT			63.0	kg	60.5 kg			
1	MINIMUM/	SORT			0.8	kg	53.7 kg			
,	VOLUME I	N-GROUND	•		3.4	yd³	51.5 yd3		55.0 y	yd3
•	WEIGHTR	ECOVERY (CLEAN/(HO	r+clean))	93.7%				
ACTI	VITY						DISPERSI	ED + PARTI	CLE	
					PART	ICLE	нот	(CLEAN	
	TOTAL				15,627	kBq	7,479 kBq		11,034	kBq
	MAXIMUM	SORT			3,374	•	3,221 kBq		25)	kBq
	MINIMUM/					kBq	0 Bq		-26)	kBq
	SPECIFIC A					•	1,719 Bq/kg			3q/kg
SORT										
		o oros pro	one				1 146	,	DIEVD	PAUSE
		OCESS PERI		MD- 00343	M) (1)	21	1,146		TIME	TIME
		LL 80 ELEME			(ט=עא	64 818			07:49	07:47
		ONE (AD=0			D-MAID					07:47
					D <mndmax< td=""><td>264</td><td></td><td></td><td>07:50</td><td>07:49</td></mndmax<>	264			07:50	07:49
	U	NEXPLAINE			0				10:08	
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			D=0 & MD>		2				12:42	10:40
			D<0 & MD :	>0	0		11 460			10:56
		JNT PERIOD		n m		501	11,460			
	_	-SEC RECOR				501				
	_	-SEC RECOR			- PEDIOD	10,959	1647			
)-s PERIODS	>)	1,647			
		ESSING REC	•	calibration,	etc)		0			
		TDETECTO		5 + 0 5 C		C D. Par		1.000		
		DET		74.85%		5 DET	5	1.00%		
		DET	101	20.16%		6 DET	0	0.00%		
		DET	17	3.39%		7 DET	1	0.20%		
		DET	3	0.60%		8 DET	1	0.20%		
		TIME BETW			61.1	sec				
FREQ	DUENCY	/ DISTRI	ROLION	18						
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	2	0.8%	-14000	9	-231	0.8%	4	45		9.0%
2	13	5.1%	-12000	3	-198	0.3%	8	229		45.7%
3	25	9.8%	-10000	3	-165	0.3%	12	90		18.0%
4	39	15.4%	-8000	10	-132	0.9%	16	38		7.6%
5	39	15.4%	-6000	15	-99	1.4%	20	25		5.0%
6	73	28.7%	-4000	17	-66	1.6%	24	17		3.4%
7	52	20.5%	-2000	24	-33	2.2%	28	12		2.4%
8	11	4.3%	0	35	0	3.2%	32	9		1.8%
TOTAL	254		2000	48	33	4.4%	36	5		1.0%
			4000	55	66	5.1%	40	3		0.6%
2-GAT	ESORTS		6000	73	99	6.7%	44	4		0.8%
DET	SORTS	FREQ%	8000	89	132	8.2%	48	5		1.0%
9	8	3.3%	10000	100	165	9.2%	52	3		0.6%
10	23	9.3%	12000	127	198	11.7%	56	0		0.0%
	28	11.4%	14000	119	231	11.0%	60	0		0.0%
11	35	14.2%	16000	97	264	9.0%	64	1		0.2%
	33		18000	66	298	6.1%	68	2		0.4%
11		22.070			331	7.0%	72	2		0.4%
11 12	56	22.8% 23.6%	20000	76	331	,,,,,				
11 12 13 14	56 58	23.6%		76 51	364	4.7%	76	0		0.0%
11 12 13 14	56 58 38		22000	51		4.7%	76	0		0.0% 0.0%
11 12 13 14	56 58	23.6%	22000 24000	51 53	364 397	4.7% 4.9%	76 80	0		0.0%
11 12 13 14	56 58 38	23.6%	22000 24000 26000	51 53 12	364 397 430	4.7% 4.9% 1.1%	76 80 84	0 0		0.0% 0.0%
11 12 13 14	56 58 38	23.6%	22000 24000	51 53	364 397	4.7% 4.9%	76 80	0		0.0%

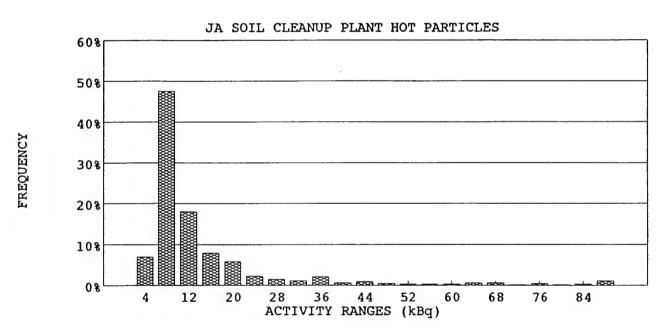


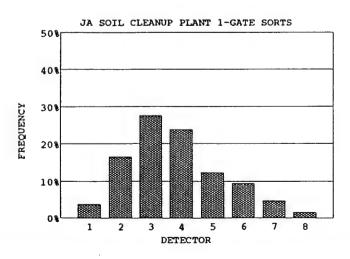


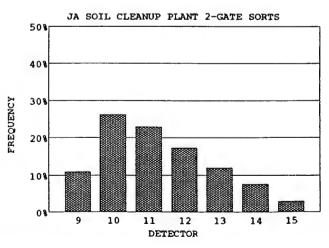


SORT	FR 4							24-Oct-94		
JORT		ORTER SOIL	DENSITY	1.30 to	ons/m³		BACKGROUND		0.62	0.02 c/s
SOIL					CONTAN	INATE D	CLEAN		TOTA	AL.
	MASS TOT	AL				tons	71.8 tor	ns	72.3 t	cons
	MAXIMUN	A/SORT			4.5	kg	60.5 kg			
1	MINIMUM				0.8	•	56.0 kg			
		IN-GROUND		n. ~ F.	0.4	•	56.9 yd ³	•	57.3 y	∕d³
		ECOVERY (C	LEAN/(HO	I+UEAN))	99.2%				
ACTI	VIIY					~~~		RSED + PART		
	mom. 7					nale	HOT	_	11,093 l	.Do
[TOTAL MAXIMUN	48OPT			8,256	kBq	2,140 kB 117 kB	•	21 k	•
	MINIMUM					kBq	0 Bq	•	-71	•
	SPECIFIC						3,929 Bq		155 I	•
SORT		, , , , , ,								
		OCESS PERI	ODS				1,195		UNEXP	PAUSE
		LL 80 ELEME		MD>0&M	ND=0)	0	-		TIME	ПМЕ
		IONE (AD=0				865			07:04	13:26
	S	OME (AD>08	k0 <md<mn< td=""><td>Dmax&Ml</td><td>ID<mndmax< td=""><td>330</td><td></td><td></td><td>09:06</td><td></td></mndmax<></td></md<mn<>	Dmax&Ml	ID <mndmax< td=""><td>330</td><td></td><td></td><td>09:06</td><td></td></mndmax<>	330			09:06	
	U	INEXPLAINE			0				09:22	
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			D=0 & MD>		0					
	2_SEC CO	A UNT PERIOD	D<0 & MD :	>0	U		11,950			
		-SEC RECOR		ORTS		616	11,550			
	_	-SEC RECOR				11,334				
					0-s PERIODS	S)	1,811			
		ESSING REC					5			
	2-SEC SO	RT DETECTO	RS							
	_	DET	471	76.46%		5 DET	0	0.00%		
		DET	125			6 DET	0	0.00%		
		DET	18 2	2.92% 0.32%		7 DET 8 DET	0	0.00% 0.00%		
		TIME BETW	_		50.7		U	0.0070		
		Y DISTRI								
	ESORTS	1 2101111	ACT_ND	NUM	SPEC_A	FREO%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		•
1	12	3.8%	-14000	ž	-231	0.2%	4	43		7.0%
2	52	16.5%	-12000	0	-198	0.0%	8	293		47.6%
3	87	27.6%	-10000	0	-165		12	111		18.0%
4	75	23.8%	-8000	0	-132	0.0%	16	49		8.0%
5	39	12.4%	-6000	7	-99	0.6%	20	36		5.8%
6	30	9.5% 4.8%	-4000 -2000	8 2	-66 -33	0.7% 0.2%	24 28	14 9		2.3% 1.5%
7 8	15 5	4.8% 1.6%	2000 0	2	-33	0.2%	32	7		1.1%
TOTAL	315	1.070	2000	9	33	0.2%	36	13		2.1%
			4000	35	66	2.9%	40	4		0.6%
2-GAT	ESORTS		6000	99	99	8.3%	44	6		1.0%
DET	SORTS	FREQ%	8000	230	132	19.2%	48	3		0.5%
9	33	11.0%	10000	299	165	24.9%	52	2		0.3%
10	79	26.2%	12000	275	198	22.9%	56	2		0.3%
11	69 52	22.9%	14000	149 64	231 264	12.4% 5.3%	60 64	2		0.3% 0.6%
12 13	52 36	17.3% 12.0%	16000 18000	13	298	1.1%	68	4		0.6%
14	23	7.6%	20000	5	331	0.4%	72	1		0.2%
15	9	3.0%	22000	1	364	0.1%	76	3		0.5%
TOTAL	301		24000	0	397	0.0%	80	1		0.2%
			26000	0	430	0.0%	84	2		0.3%
			>28000	0	0	0.0%	>84	7		1.1%
-			TOTAL	1,200			TOTAL	616		
EVENT 7	IYPES	HPE	632	MPE	85	DISE	0			









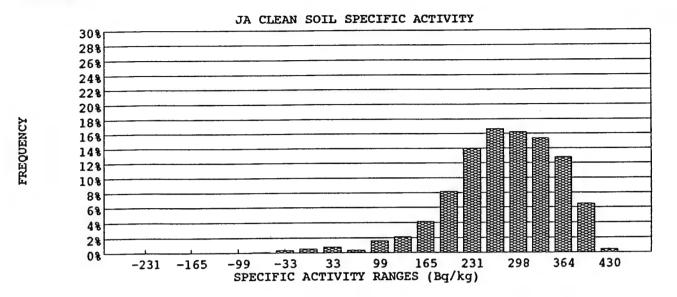
WORK HISTORY - JA SOIL CLEANUP PLANT 25-Oct-94

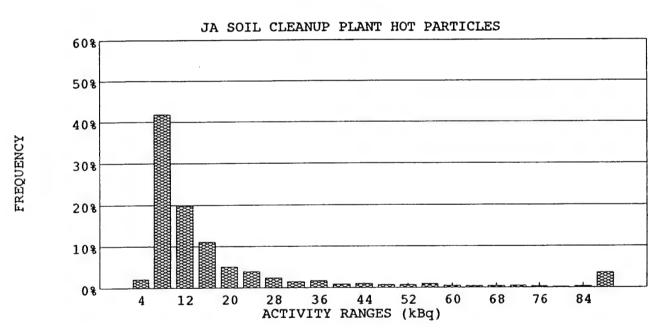
WORK DAY START	06:00 AM		WORK DA	Y END		16:30 PM	
LUNCH START	11:00 AM	1	TIMELOS	r DURII	NG LUNCH	0.0 HR	
		SORTER 1	SORTER	t 2 S	ORTER 3	SORTER 4	TOTAL
							(sorter hours)
WORK HOURS		10.5 hr	10.5	hr	10.5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HOUR	S	9.7 hr	9.7	hr	9.5 hr	9.5 hr	38.3 hr
SORTER START-UP		06:35	06:35		06:40	06:40	
START SOIL PROCESSING		06:43	06:43		06:47	06:47	
TIME REQUIRED TO START	-UP	0.1 hr	0.1	hr	0.1 hr	0.1 hr	0.5 hr
SORTER SHUT-DOWN		16:15	16:15		16:10	16:10	
END SOIL PROCESSING		16:09	16:12		16:01	16:01	
TIME REQUIRED TO SHUT I	OWN	0.1 hr	0.0	hr	0.1 hr	0.1 hr	0.4 hr
ACTUAL PROCESS HOURS		9.3 hr	9.4	hr	8.9 hr	9.0 hr	36.6 hr
DOWN-TIME		0.4 hr	0.3	hг	0.6 hr	0.5 hr	1.7 hr
SYSTEM PAUSE		0.1 hr	0.1	hr	0.3 hr	0.2 hr	0.6 hr
SORTER NONAVAILABLE TI	мЕ	0.8 hr	0.8	hr	1.0 hr	1.0 hr	3.7 hr
AUTHORIZED DELAY TIME		0.0 hr	0.0	hr	0.0 hr	0.0 hr	0.0 hr
PLANT PERFORMANCE							95.6%
PRODUCTIVIY							87.2%
PRODUCTIVITY							
Date	2	25-Oct-94		Excused	Delays for d	ay (sorter-hrs)	0 hr
Contract day (from 6 Sep)		344		Excused	delays for co	ontract (sorter-hrs)	7,212 hr
Current Contract week		58		Excused	delay days ()	olant – days)	180 days
				Excused	delay month	s (plant–month)	6.93 months
Soil production for Day		399 M	Γ				
Cumlative Soil Production for We	ek	744 M	Γ	Percent	of contract co	ompleted	59.1%
Total Soil production for contract				Tons Ah	ead or Behin	d Schedule	1,905 MT
Since 6 Sep 93		57,545 MT	Γ	Days ah	ead or behind	l schedule	6.0 days
Since 6 Aug 93	•	59,136 M	Γ				
Total Soil production for project		85,423 MT	Γ				

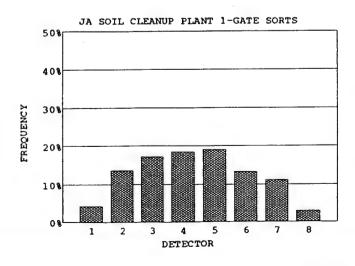
File Report1 Printed on 02-Nov-94 at 06:30:16 AM

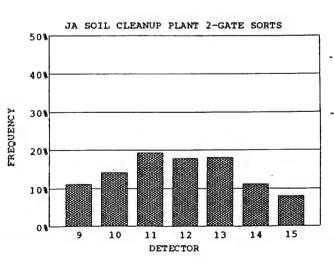
MT = metric tons

SORT							25	-Oct-94		
0011	S	ORTER SOIL	DENSITY	1.30 to			BACKGROUND		2.32 :	
SOIL						MINATED	CLEAN		TOTA	T.
	MASS TOT					tons	81.6 tons		101.4	ons
	MAXIMUN				60.5	_	60.5 kg			
	MINIMUM	-			0.8		51.5 kg		90.4	
		IN-GROUNI RECOVERY (T.A. CT EAN	15.7	80.5%	64.7 yd ³		80.4 y	/a ³
ACTI		CECOVERI	CLEAN/(HO	I + CLEAN)	60.5%	Dienen	ED . DADS	TOLK.	
ACII	VIII				DAD	пае		SED + PART	-	
	TOTAL						HOT		CLEAN	
	TOTAL MAXIMUN	AKODT			64,116 2,316	•	23,090 kBq 809 kBq		21,865 1	•
	MINIMUM				-	kBq	0 Bq		24 I -5 I	
	SPECIFIC				3	AD4	1,165 Bq/k	2	268 1	-
SORT								•		7-6
		ROCESS PERI	ODS				1,675		UNEXP	PAUSE
		LL 80 ELEME		MD>0&MI	ND=0	298	-,		TIME	TIME
		IONE (AD=0			,	597			11:30	13:32
				,	D <mndmax< td=""><td>780</td><td></td><td></td><td>13:50</td><td></td></mndmax<>	780			13:50	
		INEXPLAINE			0				15:13	
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			D=0 & MD>		0					
			D<0 & MD >	>0	0		00			
		UNTPERIOR		ND TO		0.000	16,750			
		-SEC RECOR				2,923				
		-SEC RECOR			. PEDIOD	13,827	4.500			
		ESSING REC	•		0-s PERIODS	o)	4,598 9			
		RT DETECTO	•	vanoi ativii, (,		У,			
		DET	2,065	70.65%		5 DET	6	0.21%		
		DET	686	23.47%		6 DET	0	0.00%		
	3	DET	140	4.79%		7 DET	0	0.00%		
	4	DET	26	0.89%		8 DET	0	0.00%		
		TIME BETW			16.2	sec				
FREQ	UENC	Y DISTRI	BUTION	IS						
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	64	4.3%	-14000	0	-231	0.0%	4	62		2.1%
2	206	13.7%	-12000	0	-198	0.0%	8	1,223		41.8%
3	257	17.1%	-10000	0	-165		12	579		19.8%
4	276	18.4%	-8000	0	-132	0.0%	16	324		11.1%
5	285	19.0%	-6000	0	-99	0.0%	20	148		5.1%
6 7	201 168	13.4%	-4000 -2000	1	-66 -33	0.1%	24	114		3.9%
8	108	11.2% 2.9%	-2000 0	5 7	-33 0	0.4% 0.5%	28 32	71		2.4%
OTAL	1,501	2.770	2000	11	33	0.3%	36	44 51		1.5% 1.7%
	1,501		4000	5	66	0.4%	40	26		0.9%
2-GAT	ESORTS		6000	22	99	1.6%	44	29		1.0%
DET	SORTS	FREQ%	8000	29	132	2.1%	48	20		0.7%
9	159	11.2%	. 10000	57	165	4.1%	52	20		0.7%
10	203	14.3%	12000	113	198	8.2%	56	27		0.9%
11	275	19.3%	14000	194	231	14.0%	60	15		0.5%
12	254	17.9%	16000	231	264	16.7%	64	12		0.4%
13	257	18.1%	18000	225	298	16.2%	68	11		0.4%
14	159	11.2%	20000	213	331	15.4%	72	15		0.5%
15	115	8.1%	22000	177	364	12.8%	76	9		0.3%
OTAL	1,422		24000	90	397	6.5%	80	6		0.2%
			26000	6	430	0.4%	84	10		0.3%
			>28000	0	0	0.0%	>84	107		3.7%
			TOTAL	1,386			TOTAL	2,923		
T 1773 TOTAL CO.	YPES	HPE	2,824	MPE	686	DISE	22,686	,		

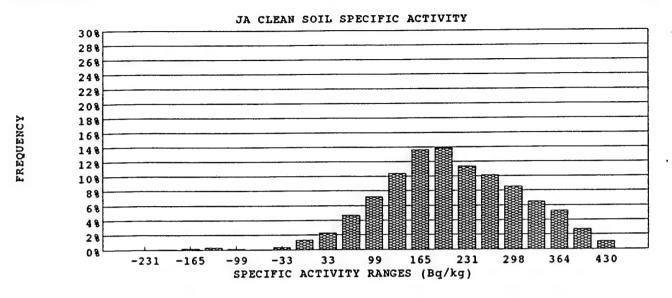


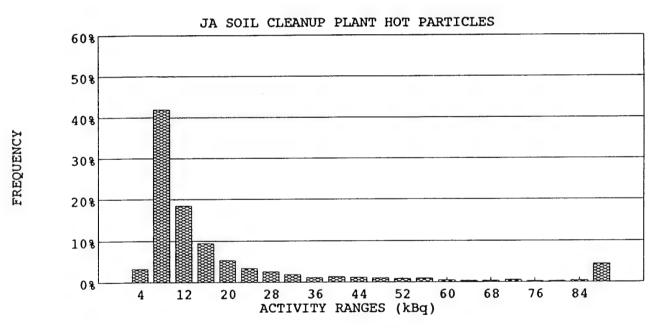


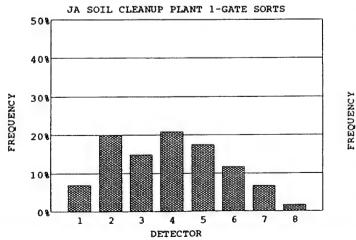


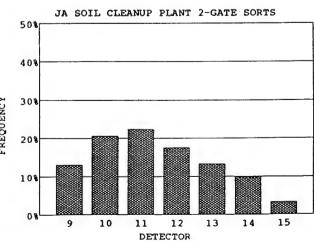


SORT	ER 2						25-	Oct - 94		
	SC	ORTER SOIL	DENSITY	1.30 ton	ıs/m³	B	ACKGROUND		0.76 ±	
SOIL					CONTAM	INATED	CLEAN		TOTA	
1	MASS TOTA	AL			9.0		93.3 tons		102.3 10	ons
	MAXIMUM				60.5	-	60.5 kg			
	MINIMUM				0.8	_	49.2 kg		01 1	n
		N-GROUND		C) CT EARDY	7.1		74.0 yd ³		81.1 y	u ^s
		ECOVERY (LEAN/(HU	+CLEAN))		91.2%			O. 5	
ACTIV	VIIY						DISPERSEI			
					PART		HOT		CLEAN	D
	TOTAL	A CODT			79,087	•	23,039 kBq		18,324 k 26 k	_
•	MAXIMUM				3,721	кву kBq	1,562 kBq 0 Bq		-13 k	-
_	MINIMUM/ SPECIFIC A				2	къч	2,573 Bq/kg		196 E	-
SORT		CIIVIII		<u> </u>						12
		OCESS PERI	ODS				1,692	Į	JNEXP	PAUSE
1		LL 80 ELEME		MD>0&MN	D=0)	113	2,000		ПМЕ	TIME
		ONE (AD=0				626			08:20	13:32
		OME (AD>08			D <mndmax)< td=""><td></td><td></td><td></td><td>10:05</td><td></td></mndmax)<>				10:05	
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			D=0 & MD>		0					
		Α	D<0 & MD	>0	0					
	2-SEC CO	UNTPERIOD	S				16,920			
	2-	-SEC RECOR	RDS WITH SO	ORTS		2,809				
		-SEC RECOR				14,111				
		OCESS RECC				5)	4,501			
		ESSING REC		calibration, e	tc)		2			
- 7		T DETECTO		(0.00 <i>a</i>		e ner	10	0.4201		
		DET	•	69.92%		5 DET	12 0	0.43%		
		DET		23.92% 4.66%		6 DET	2	0.00% 0.07%		
		DET DET	131 30	1.07%		7 DET 8 DET	0	0.00%		
		TIME BETW			17.2		U	0.0070		
		Y DISTRI								***
		ואוטועו	ACT ND	NUM	SDEC A	ED EO	ACT_P	NUM		FREQ%
	ESORTS	ED EOW	_		SPEC_A	FREQ%	_			FREQ%
	SORTS	FREQ% 7.0%	(Bq) -14000	(#) 0	(Bq/kg) -231	0.0%	(kBq)	(#) 93		3.3%
1	98 280	19.9%	-12000	1	-198	0.0%	8	1,178		41.9%
2	208	14.8%	-10000	3	-165		12	519		18.5%
4	293	20.8%	-8000	5	-132	0.2%	16	266		9.5%
5	245	17.4%	-6000	2	-99	0.1%	20	151		5.4%
6	165	11.7%	-4000	1	-66	0.1%	24	96		3.4%
7	94	6.7%	-2000	6	-33	0.4%	28	72		2.6%
8	24	1.7%	0	21	0	1.3%	32	53		1.9%
TOTAL	1,407		2000	36	33	2.3%	36	31		1.1%
			4000	74	66	4.7%	40	38		1.4%
2-GAT	ESORTS		6000	114	99	7.2%	44	34		1.2%
DET	SORTS	FREQ%	8000	164	132	10.4%	48	30		1.1%
9	183	13.1%	10000	215	165	13.6%	52	24		0.9%
10	289	20.6%	12000	219	198	13.9%	56	26		0.9%
11	313	22.3%	14000	179	231	11.3%	60	13		0.5%
12	246	17.5%	16000	160	264	10.1%	64	9		0.3%
13	187	13.3%	18000	135	298	8.5%	68	10		0.4%
14	138	9.8%	20000	103	331	6.5%	72 76	16		0.6%
15	46	3.3%	22000	83	364	5.2%	76	7		0.2%
TOTAL	1,402		24000	43	397	2.7%	80	7		0.2%
			26000	17	430	1.1%	84	11		0.4%
			>28000	0	0	0.0%	>84	125		4.4%
			TOTAL	1,581			TOTAL	2,809		
	TYPES	HPE	2,776	MPE	729	DISE	8,519			

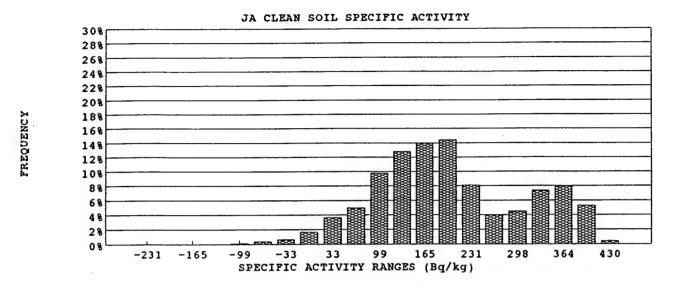


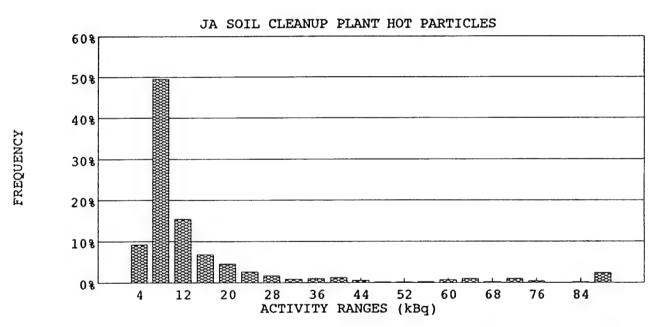


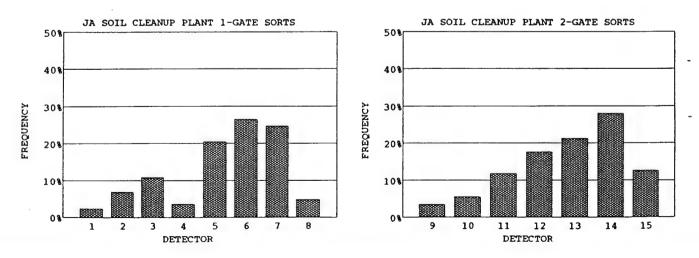




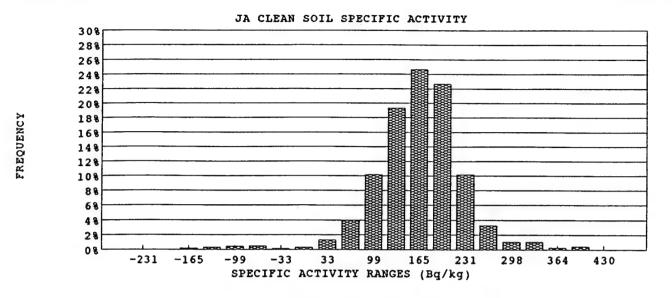
SORT	ER 3						25-	-Oct-94	
DOM		RTER SOIL	DENSITY	1.30 ton			ACKGROUND		5 ± 0.27 c/s
SOIL					CONTAM	INATED	CLEAN		TAL
h	MASS TOTA	T.			4.1 t		93.2 tons	97.3	3 tons
N	MAXIMUM	SORT			63.0 1	-	60.5 kg		
1	MINIMUMA	SORT			0.8 3	-	55.2 kg	-	
		N-GROUND			3.3 y		73.9 yd ³	77.	l yd³
1	WEIGHT RI	ECOVERY (C	LEAN/(HO)	+CLEAN))		95.8%			
ACTIV	VITY						DISPERSI	ED + PARTICLE	
					PART	ICLE	нот	CLEA	
7	TOTAL				11,935 I	c B q	4,768 kBq		8 kBq
1	MAXIMUM	/SORT			629 1	•	281 kBq		4 kBq
1	MINIMUM/	SORT			2 1	cВq	0 Bq		6 kBq
	SPECIFIC A	CTIVITY					1,158 Bq/kg	18	8 Bq/kg
SORT	S								
		OCESS PERIO	ODS				1,608	UNEX	(P PAUSE
		L 80 ELEME		MD>0&MN	D=0	57		TIME	TIME
		ONE (AD=0 &				1,146		07:3	1 08:35
	sc	ME(AD>0&	0 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td>405</td><td></td><td>09:0</td><td></td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td>405</td><td></td><td>09:0</td><td></td></mndmax)<>	405		09:0	
		NEXPLAINE			0			09:0	7 14:57
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			D=0 & MD>		0			09:2	
		A	D<0 & MD >	•0	0			09:3	
2	2-SEC COU	INT PERIOD	S				16,080	09:4	
	2-	-SEC RECOR	DS WITH SO	ORTS		715		10:4	
		-SEC RECOR				15,365		10:4	
•	TOTAL PRO	OCESS RECO	RDS (2-s SC	ORTS and 20	-s PERIODS)	2,323	10:5	
		ESSING REC		calibration, e	tc)		14	11:4	
1	2-SEC SOR	TDETECTO	RS					11:4	7
	1 1	DET	564	78.88%		5 DET	2	0.28%	
	2 1	DET	123	17.20%		6 DET	0	0.00%	
		DET	21	2.94%		7 DET	0	0.00%	
		DET	5	0.70%		8 DET	0	0.00%	
		TIME BETW			57.0	sec			
FREQ	UENCY	DISTRI	BUTION	1S					
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM	FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)	
1	8	2.4%	-14000	0	-231	0.0%	4	66	9.2%
2	23	6.9%	-12000	0	-198	0.0%	8	354	49.5%
3	36	10.8%	-10000	0	-165	0.0%	12	110	15.4%
4	12	3.6%	-8000	0	-132	0.0%	16	49	6.9%
5	68	20.4%	-6000	2	-99	0.1%	20	33	4.6%
6	88	26.4%	-4000	6	-66	0.4%	24	19	2.7%
7	82	24.6%	-2000	10	-33	0.6%	28	12	1.7%
8	16	4.8%	0	26	0	1.7%	32	6	0.8%
TOTAL	333		2000	57	33	3.6%	36	7	1.0%
TOTAL			4000	78	66	5.0% 9.8%	40	9	1.3% 0.6%
						LI X U/A			
2-GAT	ESORTS	PD 53.6 ~	6000	153	99		44		
2-GAT DET	SORTS	FREQ%	8000	200	132	12.8%	48	1	0.1%
2-GAT DET 9	SORTS 13	3.4%	8000 10000	200 219	132 165	12.8% 14.0%	48 52	1	0.1% 0.1%
2-GAT DET 9 10	SORTS 13 21	3.4% 5.5%	8000 10000 12000	200 219 226	132 165 198	12.8% 14.0% 14.4%	48 52 56	1 1 2	0.1% 0.1% 0.3%
2-GAT DET 9 10 11	SORTS 13 21 45	3.4% 5.5% 11.8%	8000 10000 12000 14000	200 219 226 127	132 165 198 231	12.8% 14.0% 14.4% 8.1%	48 52 56 60	1 1 2 5	0.1% 0.1% 0.3% 0.7%
2-GAT DET 9 10 11	SORTS 13 21 45 67	3.4% 5.5% 11.8% 17.5%	8000 10000 12000 14000 16000	200 219 226 127 62	132 165 198 231 264	12.8% 14.0% 14.4% 8.1% 4.0%	48 52 56 60 64	1 1 2 5 7	0.1% 0.1% 0.3% 0.7% 1.0%
2-GAT DET 9 10 11 12 13	SORTS 13 21 45 67 81	3.4% 5.5% 11.8% 17.5% 21.2%	8000 10000 12000 14000 16000 18000	200 219 226 127 62 70	132 165 198 231 264 298	12.8% 14.0% 14.4% 8.1% 4.0% 4.5%	48 52 56 60 64 68	1 1 2 5 7 2	0.1% 0.1% 0.3% 0.7% 1.0% 0.3%
2-GAT DET 9 10 11 12 13	SORTS 13 21 45 67 81 107	3.4% 5.5% 11.8% 17.5% 21.2% 28.0%	8000 10000 12000 14000 16000 18000 20000	200 219 226 127 62 70 115	132 165 198 231 264 298 331	12.8% 14.0% 14.4% 8.1% 4.0% 4.5% 7.3%	48 52 56 60 64 68 72	1 1 2 5 7 2	0.1% 0.1% 0.3% 0.7% 1.0% 0.3%
2-GAT DET 9 10 11 12 13 14	SORTS 13 21 45 67 81 107 48	3.4% 5.5% 11.8% 17.5% 21.2%	8000 10000 12000 14000 16000 18000 20000 22000	200 219 226 127 62 70 115	132 165 198 231 264 298 331 364	12.8% 14.0% 14.4% 8.1% 4.0% 4.5% 7.3% 7.9%	48 52 56 60 64 68 72 76	1 1 2 5 7 2 7 3	0.1% 0.1% 0.3% 0.7% 1.0% 0.3% 1.0%
2-GAT DET 9 10 11 12 13	SORTS 13 21 45 67 81 107	3.4% 5.5% 11.8% 17.5% 21.2% 28.0%	8000 10000 12000 14000 16000 18000 20000 22000 24000	200 219 226 127 62 70 115 124 83	132 165 198 231 264 298 331 364 397	12.8% 14.0% 14.4% 8.1% 4.0% 4.5% 7.3% 7.9% 5.3%	48 52 56 60 64 68 72 76 80	1 1 2 5 7 2 7 3	0.1% 0.1% 0.3% 0.7% 1.0% 0.3% 0.4% 0.0%
2-GAT DET 9 10 11 12 13 14	SORTS 13 21 45 67 81 107 48	3.4% 5.5% 11.8% 17.5% 21.2% 28.0%	8000 10000 12000 14000 16000 18000 20000 22000 24000 26000	200 219 226 127 62 70 115 124 83	132 165 198 231 264 298 331 364 397 430	12.8% 14.0% 14.4% 8.1% 4.0% 4.5% 7.3% 7.9% 5.3% 0.4%	48 52 56 60 64 68 72 76 80 84	1 1 2 5 7 2 7 3 0	0.1% 0.1% 0.3% 0.7% 1.0% 0.3% 1.0% 0.4% 0.0% 0.1%
2-GAT DET 9 10 11 12 13 14 15	SORTS 13 21 45 67 81 107 48	3.4% 5.5% 11.8% 17.5% 21.2% 28.0%	8000 10000 12000 14000 16000 18000 20000 22000 24000	200 219 226 127 62 70 115 124 83	132 165 198 231 264 298 331 364 397	12.8% 14.0% 14.4% 8.1% 4.0% 4.5% 7.3% 7.9% 5.3%	48 52 56 60 64 68 72 76 80	1 1 2 5 7 2 7 3	0.1% 0.1% 0.3% 0.7% 1.0% 0.3% 1.0% 0.4% 0.0%

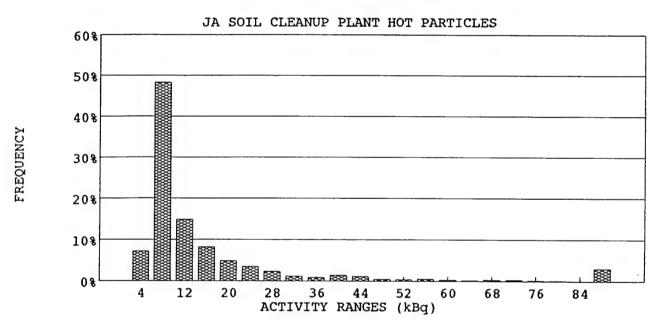


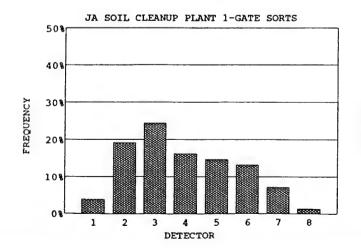


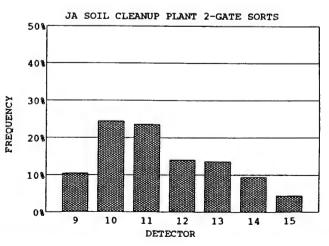


SORT	ER 4						25-	Oct - 94		
JUICE.	-	ORTER SOIL	DENSITY	1.30 to	ns/m³	В	ACKGROUND		.64 ±	0.02 c/s
SOIL					CONTAM	INATED	CLEAN	Т	OTAL	
	MASS TOTA	AL			1.0 1		97.1 tons	9	8.1 to	ns
)	MAXIMUM	SORT			63.0 1	-	60.5 kg			
_	MINIMUM/				0.8 1	•	49.9 kg	_		
		N-GROUND			0.8		77.0 yd³	7	7.7 yd	,
		ECOVERY (C	LEAN/(HO)	(+CLEAN))	99.0%				
ACTIV	VITY							D + PARTICLI		
					PART		HOT	CLE		
	TOTAL				44,607	•	11,570 kBq	14,0	546 kB 24 kB	•
	MAXIMUM				12,679	kBq	7,854 kBq 0 Bq	_	-11 kB	•
	MINIMUM/ SPECIFIC A				2	тъч	12,091 Bq/kg		151 Bq	•
SORT		CHVIII								<u> </u>
		OCESS PERI	ODS				1,621	UNI	EXP	PAUSE
4		LL 80 ELEME		MD>0&Mi	VID=0)	2	2,021	TIN		TIME
		ONE (AD=0			,	1,133		08:	15	12:20
	SC	OME (AD>08	20 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td>•</td><td></td><td>09:</td><td>19</td><td>13:46</td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td>•</td><td></td><td>09:</td><td>19</td><td>13:46</td></mndmax)<>	•		09:	19	13:46
		NEXPLAINE			o [´]			11:	29	14:16
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			D=0 & MD>		0			12:		
			D<0 & MD:	>0	0		16 210	15:		
2		UNTPERIOD		an are		995	16,210	15: 15:		
	_	-SEC RECOR -SEC RECOR				15,215		15:	32	
					0-s PERIODS		2,616			
		ESSING REC				,	16			
		T DETECTO		,	,					
		DET	738	74.17%		5 DET	4	0.40%		
	2	DET	221	22.21%		6 DET	0	0.00%		
	3	DET	27	2.71%		7 DET	0	0.00%		
		DET	5	0.50%		8 DET	0	0.00%		
		TIME BETW			43.9	sec				
FREQ	UENC	Y DISTRI	BUTION	1 S						
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		500
1	20	3.9%	-14000	0	-231	0.0%	4	72		7.2%
2	99	19.1%	-12000	0	-198 -165	0.0% 0.2%	8 12	481 148		48.3% 14.9%
3	126 84	24.4% 16.2%	-10000 -8000	5	-165 -132	0.2%	16	82		8.2%
5	76	14.7%	-6000	7	-99	0.4%	20	49		4.9%
6	68	13.2%	-4000	8	-66	0.5%	24	35		3.5%
7	37	7.2%	-2000	2	-33	0.1%	28	23		2.3%
8	7	1.4%	0	5	0	0.3%	32	12		1.2%
TOTAL	517		2000	21	33	1.3%	36	9		0.9%
			4000	65	66	4.0%	40	14		1.4%
	ESORTS		6000	166	99	10.2%	44	11		1.1%
DET	SORTS	FREQ%	8000	316	132	19.3%	48 52	5 4		0.5% 0.4%
9	50	10.5%	10000	403 370	165 198	24.6% 22.6%	52 56	6		0.4%
10 11	117 113	24.5% 23.6%	12000 14000	166	231	10.2%	60	3		0.3%
12	67	14.0%	16000	53	264	3.2%	64	2		0.2%
13	65	13.6%	18000	17	298	1.0%	68	3		0.3%
14	45	9.4%	20000	17	331	1.0%	72	3		0.3%
15	21	4.4%	22000	4	364	0.2%	76	2		0.2%
TOTAL	478		24000	7	397	0.4%	80	1		0.1%
			26000	0	430	0.0%	84	0		0.0%
			>28000	0	0	0.0%	>84	30		3.0%
			TOTAL	1,635			TOTAL	995		
EVENT	TYPES	HPE	995	MPE	99	DISE	166			







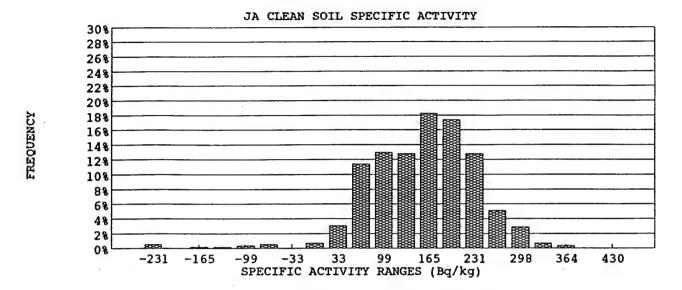


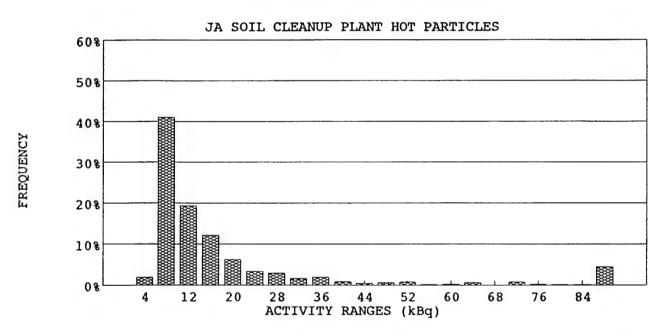
WORK DAY START	06:00 AM		WORK DAY	END	16:30 PM	
LUNCH START	11:00 AM		TIME LOST D	URING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.5 hr	10.5 hr	10.5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HOURS	,	9.2 hr	9.2 hr	9.2 hr	9.2 hr	36.8 hr
SORTER START-UP		07:12	07:12	06:40	06:40	
START SOIL PROCESSING		07:14	07:14	06:53	06:53	
TIME REQUIRED TO START-	-UP	0.0 hr	0.0 hr	0.2 hr	0.2 hr	0.5 hr
SORTER SHUT-DOWN		16:25	16:25	15:50	15:50	
END SOIL PROCESSING		16:00	16:05	15:35	15:34	
TIME REQUIRED TO SHUT D	OWN	0.4 hr	0.3 hr	0.2 hr	0.3 hr	1.2 hr
ACTUAL PROCESS HOURS		3.2 hr	3.3 hr	3.9 hr	3.8 hr	14.2 hr
DOWN-TIME		6.0 hr	5.9 hr	5.3 hr	5.3 hr	22.6 hr
SYSTEM PAUSE		5.6 hr	5.6 hr	4.8 hr	4.9 hr	20.9 hr
SORTER NONAVAILABLE TI	ME	1.3 hr	1.3 hr	1.3 hr	1.3 hr	5.2 hr
AUTHORIZED DELAY TIME		5.6 hr	5.6 hr	4.8 hr	4.8 hr	20.8 hr
PLANT PERFORMANCE						38.5%
PRODUCTIVTY						33.7%
PRODUCTIVITY						
Date	2	26-Oct-94	Ex	cused Delays for d	ay (sorter-hrs)	20.8 hr
Contract day (from 6 Sep)		345	Ex	cused delays for co	ontract (sorter-hrs)	7,233 hr
Current Contract week		58	Ex	cused delay days (1	olant – days)	181 days
			Ex	cused delay month	s (plant-month)	6.95 months
Soil production for Day		154 M7	Γ			
Cumlative Soil Production for We	ek	898 M7	Γ Pe	reent of contract co	ompleted	59.3%
Total Soil production for contract			To	ons Ahead or Behin	d Schedule	1,907 MT
Since 6 Sep 93		57,699 MT	r Da	nys ahead or behind	i schedule	6.0 days
Since 6 Aug 93		59,290 MT	Γ			
Total Soil production for project		85,577 MT	Γ			

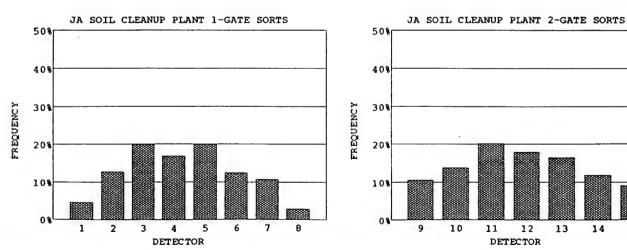
MT = metric tons

SUK	TER 1			<u> </u>			2	6-Oct-94		
		SORTER SOIL	DENSITY	1.30 to	ns/m³	1	BACKGROUND		0.68 :	
SOIL	,				CONTAN	MINATED	CLEAN		TOTA	IL.
	MASS T					tons	34.3 tons	•	35.0 t	ons
		UM/SORT			60.5	-	60.5 kg			
		JM/SORT			0.8	•	53.0 kg 27.2 yd³		27.8 y	,d3
		E IN-GROUN FRECOVERY (T+CI FAN	0.6	97.9%	21.2 yu		21.0 y	,u°
A CTI	IVITY	RECOVERT	CLEANINGTIO	a T Chalarut	V	77.770	DISDED	SED + PART	CLE	
ACII	IVIII				DAD	UCLE	HOT		CLEAN	
	TOTAL				17,630		3,796 kBq		4,838 k	r R n
		UM/SORT				kBq	387 kBq	•	21 k	•
		JM/SORT				kBq	0 Bq		-74 k	
	SPECIFI	CACTIVITY					5,276 Bq/l	kg	141 H	Bq/kg
SORT	ΓS									
		PROCESS PER	IODS				579		UNEXP	PAUSE
		ALL 80 ELEM	ENTS SORT (MD>0&M	ND=0)	1			TIME	TIME
		NONE (AD=0	& MD=0 & N	IND>0)		276			07:16	10:09
		SOME (AD>0				302			08:25	16:02
		UNEXPLAIN			0					
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			AD=0 & MD> AD<0 & MD :		0					
	2-SEC (COUNT PERIO		-0	U		5,790			
	2- 3LC (2-SEC RECO		ORTS		788	5,75			•
		2-SEC RECO				5,002				
	TOTAL	PROCESS REC	ORDS (2-s S	ORTS and 2	0-s PERIODS	S)	1,367			
	NONPR	OCESSING REC	CORDS (Test,	calibration,	etc)		10			
	2-SECS	ORT DETECTO								
		1 DET	576	73.10%		5 DET	0	0.00%		
		2 DET	174 33	22.08% 4.19%		6 DET 7 DET	0	0.00% 0.00%		
		3 DET 4 DET	5	0.63%		8 DET	0	0.00%		
	AVERA	GE TIME BETV	-		20.1		Ů	0.0070		
FRF		CY DISTR								
	TE SORT:		ACT_ND	NUM	SPEC_A	FREO%	ACT_P	NUM		FREQ%
DET			(Bq)	(#)	(Bq/kg)		(kBq)	(#)		•
1			-14000	Ìź	-231	0.5%	4	15		1.9%
2	50	12.8%	-12000	0	-198	0.0%	8	323		41.0%
3	78	19.9%	-10000	1	-165	0.2%	12	152		19.3%
4			-8000	1	-132	0.2%	16	96		12.2%
5			-6000	2	-99	0.3%	20	49		6.2%
6			-4000	3	-66	0.5%	24	27		3.4%
7			-2000	0 4	-33 0	0.0% 0.7%	28 32	23 13		2.9% 1.6%
8 777.41		_	0 2000	18	33	3.1%	36	15		1.0%
1 1 A I	. 374		4000	67	66	11.4%	40	7		0.9%
OIAL			,			12.9%	44	4		0.5%
	TE SORT:	5	6000	76	99	12.770	-9-9	7		
			6000 8000	75	132	12.8%	48	5		0.6%
2-GAT DET 9	SORTS 42	FREQ% 10.6%	8000 10000	75 107	132 165	12.8% 18.2%	48 52	5 6		0.8%
2-GA7 DET 9 10	SORTS 42 55	FREQ% 10.6% 13.9%	8000 10000 12000	75 107 102	132 165 198	12.8% 18.2% 17.4%	48 52 56	5 6 1		0.8% 0.1%
2-GA7 DET 9 10	SORTS 42 55 80	FREQ% 10.6% 13.9% 20.2%	8000 10000 12000 14000	75 107 102 75	132 165 198 231	12.8% 18.2% 17.4% 12.8%	48 52 56 60	5 6 1 2		0.8% 0.1% 0.3%
2-GA7 DET 9 10 11	SORTS 42 55 80 71	FREQ% 10.6% 13.9% 20.2% 17.9%	8000 10000 12000 14000 16000	75 107 102 75 30	132 165 198 231 264	12.8% 18.2% 17.4% 12.8% 5.1%	48 52 56 60 64	5 6 1 2 5		0.8% 0.1% 0.3% 0.6%
2-GA7 DET 9 10 11 12 13	SORTS 42 55 80 71 65	FREQ% 10.6% 13.9% 20.2% 17.9% 16.4%	8000 10000 12000 14000 16000	75 107 102 75 30 17	132 165 198 231 264 298	12.8% 18.2% 17.4% 12.8% 5.1% 2.9%	48 52 56 60 64 68	5 6 1 2 5 0		0.8% 0.1% 0.3% 0.6% 0.0%
2-GA7 DET 9 10 11 12 13	SORTS 42 55 80 71 65 47	FREQ% 10.6% 13.9% 20.2% 17.9% 16.4% 11.9%	8000 10000 12000 14000 16000 18000 20000	75 107 102 75 30 17	132 165 198 231 264 298 331	12.8% 18.2% 17.4% 12.8% 5.1% 2.9% 0.7%	48 52 56 60 64 68 72	5 6 1 2 5 0 6		0.8% 0.1% 0.3% 0.6% 0.0%
DET 9 10 11 12 13 14	SORTS 42 55 80 71 65 47 36	FREQ% 10.6% 13.9% 20.2% 17.9% 16.4% 11.9% 9.1%	8000 10000 12000 14000 16000 18000 20000 22000	75 107 102 75 30 17 4	132 165 198 231 264 298 331 364	12.8% 18.2% 17.4% 12.8% 5.1% 2.9% 0.7% 0.3%	48 52 56 60 64 68 72 76	5 6 1 2 5 0 6 2		0.8% 0.1% 0.3% 0.6% 0.0% 0.8% 0.3%
2-GA7 DET 9 10 11 12 13 14	SORTS 42 55 80 71 65 47 36	FREQ% 10.6% 13.9% 20.2% 17.9% 16.4% 11.9% 9.1%	8000 10000 12000 14000 16000 18000 20000 22000 24000	75 107 102 75 30 17 4 2	132 165 198 231 264 298 331 364 397	12.8% 18.2% 17.4% 12.8% 5.1% 2.9% 0.7% 0.3% 0.0%	48 52 56 60 64 68 72 76 80	5 6 1 2 5 0 6 2		0.8% 0.1% 0.3% 0.6% 0.0% 0.8% 0.3% 0.1%
2-GA7 DET 9 10 11 12 13	SORTS 42 55 80 71 65 47 36	FREQ% 10.6% 13.9% 20.2% 17.9% 16.4% 11.9% 9.1%	8000 10000 12000 14000 16000 18000 20000 22000 24000 26000	75 107 102 75 30 17 4 2 0	132 165 198 231 264 298 331 364 397 430	12.8% 18.2% 17.4% 12.8% 5.1% 2.9% 0.7% 0.3% 0.0%	48 52 56 60 64 68 72 76 80 84	5 6 1 2 5 0 6 2 1		0.8% 0.1% 0.3% 0.6% 0.0% 0.8% 0.3% 0.1%
2-GA7 DET 9 10 11 12 13 14	SORTS 42 55 80 71 65 47 36	FREQ% 10.6% 13.9% 20.2% 17.9% 16.4% 11.9% 9.1%	8000 10000 12000 14000 16000 18000 20000 22000 24000	75 107 102 75 30 17 4 2	132 165 198 231 264 298 331 364 397	12.8% 18.2% 17.4% 12.8% 5.1% 2.9% 0.7% 0.3% 0.0%	48 52 56 60 64 68 72 76 80	5 6 1 2 5 0 6 2		0.8% 0.1% 0.3% 0.6% 0.0% 0.8% 0.3% 0.1%

15



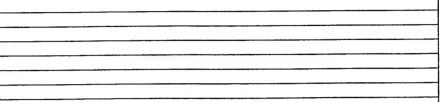


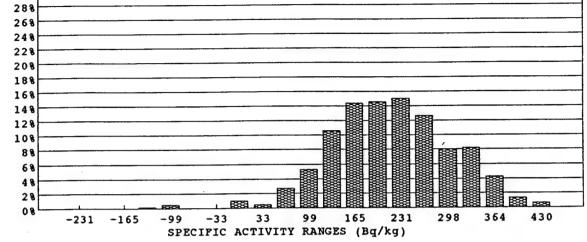


SORT	LEB 3						26-	-Oct-94		
SUKI	LLIN Z	SORTER SOIL	DENSITY	1.30 to	ns/m³	I	BACKGROUND	JU. 74	2.49 ±	0.13 c/s
SOIL					CONTAM	INATED	CLEAN		TOTA	L
	MASS T	OTAL			1.3	tons	34.2 tons		35.6 to	ons
		UM/SORT			60.5	kg	60.5 kg			
		JM/SORT			0.8	-	53.0 kg			
		EIN-GROUND			1.0	•	27.1 yd ³		28.2 y	d³
		recovery (CLEAN/(HO	T+CLEAN))	96.3%				
ACTI	VITY							ED + PARTI		
					PART		нот	(CLEAN	_
İ	TOTAL				44,315	•	5,008 kBq		7,102 k 25 k	-
		UM/SORT			1,231	kBq kBq	313 kBq (480)Bq		-1 k	-
	_	JM/SORT CACTIVITY			2	kDq	3,781 Bq/kg		207 B	-
SORT		CACITAL								
SOR		PROCESS PERI	ODS				589	1	UNEXP	PAUSE
	20-3LC	ALL 80 ELEME		MD>0&M	ND=0)	10			TIME	TIME
		NONE (AD=0			,	240			07:54	10:08
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		Α	D=0 & MD>	•0	0				08:08	
		-	D<0 & MD	>0	1		£ 000		08:09	
	2-SEC	COUNT PERIOD		OD TEC		902	5,890		08:21 08:28	
		2-SEC RECOR				4,988			08:29	
	TOTAL	PROCESS RECO			n-s PERIODS		1,491		08:29	
		OCESSING REC				')	6		08:29	
		ORT DETECTO			,		•		08:40	
		1 DET	665	73.73%		5 DET	3	0.33%	09:12	
		2 DET	187	20.73%		6 DET	0	0.00%		
		3 DET	43	4.77%		7 DET	0	0.00%		
		4 DET	4	0.44%		8 DET	0	0.00%		
TD T		GETIME BETW			17.7	sec				
	_	CY DISTRI				PD P1 ~ ~		******		EDEO%
	TESORT		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
	SORTS		(Bq)	(#)	(Bq/kg)	0.0%	(kBq)	(#) 19		2.1%
1	22		-14000	0	-231 -198	0.0%	8	330		36.6%
2 3			-12000 -10000	0	-165		12	147		16.3%
4			-8000	1	-132	0.2%	16	95		10.5%
5			-6000	3	-99	0.5%	20	42		4.7%
6			-4000	0	-66	0.0%	24	23		2.5%
7			-2000	0	-33	0.0%	28	26		2.9%
8	6	_	0	6	. 0	1.0%	32	22		2.4%
TOTAL	382	2	2000	3	33	0.5%	36	12		1.3%
	m	•	4000	16	66	2.7%	40	14		1.6%
1	TESORT		6000	31 62	99 132	5.3% 10.6%	44 48	13 7		1.4% 0.8%
DET 9			8000 10000	62 84	132 165	14.4%	52	7		0.8%
10			12000	85	198	14.5%	56	9		1.0%
10			14000	88	231	15.0%	60	7		0.8%
12			16000	74	264	12.6%	64	5		0.6%
13			18000	47	298	8.0%	68	6		0.7%
14			20000	48	331	8.2%	72	5		0.6%
15			22000	25	364	4.3%	76	4		0.4%
TOTAL	520)	24000	8	397	1.4%	80	8		0.9%
			26000	4	430	0.7%	84	6		0.7%
1			>28000	0	0	0.0%	>84	95		10.5%
			TOTAL 973	585		DISE	TOTAL 763	902		

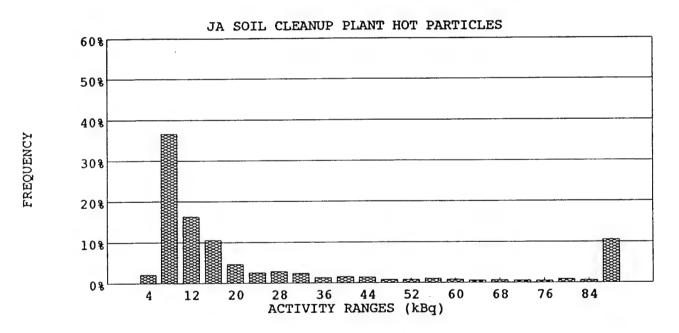
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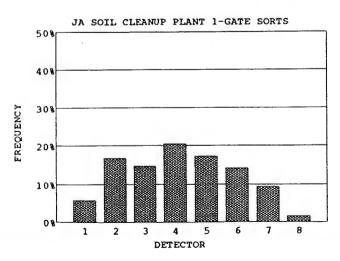
30%

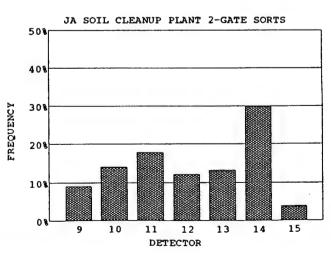




JA CLEAN SOIL SPECIFIC ACTIVITY



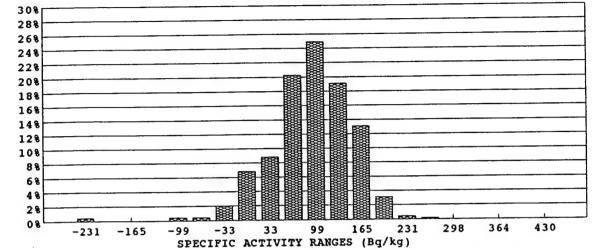




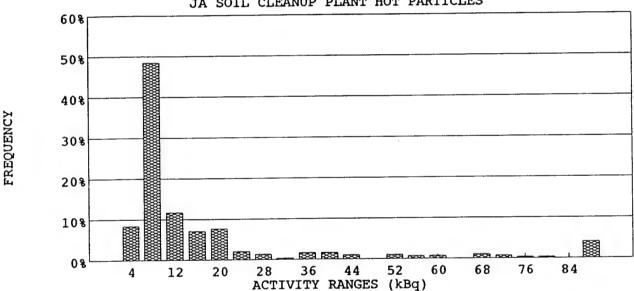
	TER 3							Oct - 94		
TIME		ORTER SOIL	DENSITY	1.30 to			BACKGROUND			0.11 c
SOIL						MINATED	CLEAN		TOTA	
	MASS TOT					tons	41.8 tons		42.1 t	ons
	MAXIMUN	•			7.6	•	60.5 kg			
	MINIMUM				0.8	-	53.0 kg		22.2	
		N-GROUNI		T. C. F. A. A.	0.2	-	33.1 yd³		33.3 y	/d³
		ECOVERY (CLEAN/(HO	I+CLEAN))	99.4%				
ACT	IVITY						DISPERSE	D + PART	ICLE	
						TICLE	HOT		CLEAN	
	TOTAL				19,969	•	4,884 kBq		3,098 1	_
	MAXIMUN				7,338	-	3,460 kBq		14 k	_
	MINIMUM		•		3	kBq	0 Bq		-84 k	-
	SPECIFIC A	ACTIVITY					18,024 Bq/kg		74 E	3q/kg
SOR"	TS									
	20-SEC PR	OCESS PERI	ODS				695		UNEXP	PAUSE
	Α	LL 80 ELEME	ENTS SORT (MD>0&M1	$\sqrt{D}=0$	0			TIME	TIME
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	U	NEXPLAINE	D RECORDS	S	0				09:28	
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		Α	D=0 & MD>	•0	0					
		Α	D<0 & MD :	>0	0					
	2-SEC CO	UNTPERIOD	S				6,950			
	_	-SEC RECOR			•	299				
		-SEC RECOF				6,651				
			•		0-s PERIODS	5)	994			
		ESSING REC	•	calibration,	etc)		7			
		RT DETECTO								
		DET	225	75.25%		5 DET	3	1.00%		
		DET	62	20.74%		6 DET	0	0.00%		
		DET	7	2.34%		7 DET	1	0.33%		
		DET	2	0.67%		8 DET	0	0.00%		
70.50		TIME BETW			61.8	sec				
	_	Y DISTRI		15						
1-GA	TE SORTS		ACT_ND	NUM	SPEC_A	FR FO%	A CYC. D			
DET	SORTS				_	IKLQ	ACT_P	NUM		FREQ%
_		FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	NUM (#)		FREQ%
1	_	1.9%	-14000	3	(Bq/kg) -231	0.4%	(kBq) 4	(#) 25		8.4%
2	. 5	1.9% 3.1%	-14000 -12000	3 0	(Bq/kg) -231 -198	0.4% 0.0%	(kBq) 4 8	(#) 25 145		8.4% 48.5%
-	5 22	1.9% 3.1% 13.8%	-14000 -12000 -10000	3 0 0	(Bq/kg) -231 -198 -165	0.4% 0.0% 0.0%	(kBq) 4 8 12	(#) 25 145 35		8.4% 48.5% 11.7%
2 3 4	5 3 22 32	1.9% 3.1% 13.8% 20.0%	-14000 -12000 -10000 -8000	3 0 0	(Bq/kg) -231 -198 -165 -132	0.4% 0.0% 0.0% 0.0%	(kBq) 4 8 12 16	(#) 25 145 35 21		8.4% 48.5% 11.7% 7.0%
2 3 4 5	5 3 22 3 3 3 21	1.9% 3.1% 13.8% 20.0% 13.1%	-14000 -12000 -10000 -8000 -6000	3 0 0 0 3	(Bq/kg) -231 -198 -165 -132 -99	0.4% 0.0% 0.0% 0.0% 0.4%	(kBq) 4 8 12 16 20	(#) 25 145 35 21 23		8.4% 48.5% 11.7% 7.0% 7.7%
2 3 4 5 6	5 3 22 3 3 3 21 3 36	1.9% 3.1% 13.8% 20.0% 13.1% 22.5%	-14000 -12000 -10000 -8000 -6000 -4000	3 0 0 0 3 3	(Bq/kg) -231 -198 -165 -132 -99 -66	0.4% 0.0% 0.0% 0.0% 0.4% 0.4%	(kBq) 4 8 12 16 20 24	(#) 25 145 35 21 23 6		8.4% 48.5% 11.7% 7.0% 7.7% 2.0%
2 3 4 5 6 7	5 3 22 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0%	-14000 -12000 -10000 -8000 -6000 -4000 -2000	3 0 0 0 3 3 14	(Bq/kg) -231 -198 -165 -132 -99 -66 -33	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0%	(kBq) 4 8 12 16 20 24 28	(#) 25 145 35 21 23 6		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3%
2 3 4 5 6 7 8	5 3 22 3 32 5 21 6 36 3 32 8 9	1.9% 3.1% 13.8% 20.0% 13.1% 22.5%	-14000 -12000 -10000 -8000 -6000 -4000 -2000	3 0 0 0 3 3 14 48	(Bq/kg) -231 -198 -165 -132 -99 -66 -33	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8%	(kBq) 4 8 12 16 20 24 28 32	(#) 25 145 35 21 23 6 4		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3%
2 3 4 5 6 7 8	5 3 22 3 32 5 21 6 36 3 32 8 9	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0	3 0 0 0 3 3 14 48 62	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8%	(kBq) 4 8 12 16 20 24 28 32 36	(#) 25 145 35 21 23 6 4 1 5		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7%
2 3 4 5 6 7 8 OTAL	5 32 32 32 36 32 36 32 39 160	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000	3 0 0 0 3 3 14 48 62 142	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2%	(kBq) 4 8 12 16 20 24 28 32 36 40	(#) 25 145 35 21 23 6 4 1 5 5		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.7%
2 3 4 5 6 7 8 OTAL	5 22 32 32 36 32 36 32 9 160 TE SORTS	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000	3 0 0 0 3 3 14 48 62 142 175	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9%	(kBq) 4 8 12 16 20 24 28 32 36 40 44	(#) 25 145 35 21 23 6 4 1 5 5		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.7%
2 3 4 5 6 7 8 OTAL 2-GAT	5 22 32 32 36 31 36 32 3 9 160 TE SORTS	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000	3 0 0 0 3 3 14 48 62 142 175 134	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48	(#) 25 145 35 21 23 6 4 1 5 5 3		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.7% 1.0% 0.0%
2 3 4 5 6 7 8 OTAL 2-GAT	5 22 32 32 36 36 32 3 9 160 TE SORTS SORTS 3	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000	3 0 0 0 3 3 14 48 62 142 175 134 92	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52	(#) 25 145 35 21 23 6 4 1 5 5 3 0 3		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.7% 1.0% 0.0% 1.0%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9	5 22 32 32 36 32 36 32 36 9 160 TE SORTS SORTS 3 10	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2%	-14000 -12000 -10000 -8000 -6000 -4000 0 2000 4000 6000 8000 10000	3 0 0 0 3 3 14 48 62 142 175 134 92 22	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 3.1%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56	(#) 25 145 35 21 23 6 4 1 5 3 0 3		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10	5 22 32 32 36 36 32 9 160 TE SORTS 3 10 23	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000	3 0 0 0 3 3 14 48 62 142 175 134 92 22 3	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231	0.4% 0.0% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 3.1% 0.4%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60	(#) 25 145 35 21 23 6 4 1 5 3 0 3 2 2		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10 11	5 22 32 32 36 32 9 160 TE SORTS 3 10 23 29	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5% 20.9%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000	3 0 0 0 3 3 14 48 62 142 175 134 92 22 3 1	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 3.1% 0.4% 0.1%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64	(#) 25 145 35 21 23 6 4 1 5 3 0 3 2 2		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7% 0.7%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10 11 12 13	5 22 32 32 36 32 9 160 TE SORTS 3 10 23 29 21	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5% 20.9% 15.1%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000	3 0 0 0 3 3 3 14 48 62 142 175 134 92 22 3 1	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231 264 298	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 0.4% 0.1% 0.0%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68	(#) 25 145 35 21 23 6 4 1 5 3 0 3 2 2 0 3		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7% 0.0% 1.0%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10 11 12 13	5 22 32 32 36 32 9 160 TE SORTS 3 10 23 29 21 37	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5% 20.9% 15.1% 26.6%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000	3 0 0 0 3 3 3 14 48 62 142 175 134 92 22 3 1 0 0	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231 264 298	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 0.4% 0.1% 0.0%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72	(#) 25 145 35 21 23 6 4 1 5 5 3 0 3 2 2		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7% 0.0% 1.0% 0.7%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10 11 12 13 14 15	5 22 32 32 36 32 9 160 TE SORTS 3 10 23 29 21 37 16	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5% 20.9% 15.1%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 12000 14000 16000 18000 20000 22000	3 0 0 0 3 3 3 14 48 62 142 175 134 92 22 3 1 0 0	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231 264 298 331	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 0.4% 0.1% 0.0% 0.0%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76	(#) 25 145 35 21 23 6 4 1 5 3 0 3 2 2 0 3 2 1		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7% 0.0% 1.0% 0.7% 0.0%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10 11 12 13 14 15	5 22 32 32 36 32 9 160 TE SORTS 3 10 23 29 21 37 16	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5% 20.9% 15.1% 26.6%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 12000 14000 16000 18000 20000 22000 24000	3 0 0 0 3 3 14 48 62 142 175 134 92 22 3 1 0 0	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231 264 298 331 364 397	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 0.4% 0.1% 0.0% 0.0%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	(#) 25 145 35 21 23 6 4 1 5 3 0 3 2 2 0 3 2 1		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7% 0.7% 0.0% 1.0% 0.7% 0.3% 0.3%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10 11 12 13 14 15	5 22 32 32 36 32 9 160 TE SORTS 3 10 23 29 21 37 16	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5% 20.9% 15.1% 26.6%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 12000 14000 16000 18000 20000 22000 24000 24000	3 0 0 0 3 3 3 14 48 62 142 175 134 92 22 3 1 0 0 0	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231 264 298 331 364 397 430	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 0.1% 0.0% 0.0% 0.0% 0.0%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84	(#) 25 145 35 21 23 6 4 1 5 3 0 3 2 2 0 3 2 1 1 0		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7% 0.0% 1.0% 0.7% 0.0% 0.7% 0.0% 0.7% 0.0%
2 3 4 5 6 7 8 OTAL 2-GAT DET 9 10 11 12 13	5 22 32 32 36 32 9 160 TE SORTS 3 10 23 29 21 37 16	1.9% 3.1% 13.8% 20.0% 13.1% 22.5% 20.0% 5.6% FREQ% 2.2% 7.2% 16.5% 20.9% 15.1% 26.6%	-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 12000 14000 16000 18000 20000 22000 24000	3 0 0 0 3 3 14 48 62 142 175 134 92 22 3 1 0 0	(Bq/kg) -231 -198 -165 -132 -99 -66 -33 0 33 66 99 132 165 198 231 264 298 331 364 397	0.4% 0.0% 0.0% 0.4% 0.4% 2.0% 6.8% 8.8% 20.2% 24.9% 19.1% 13.1% 0.4% 0.1% 0.0% 0.0%	(kBq) 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	(#) 25 145 35 21 23 6 4 1 5 3 0 3 2 2 0 3 2 1		8.4% 48.5% 11.7% 7.0% 7.7% 2.0% 1.3% 0.3% 1.7% 1.0% 0.0% 1.0% 0.7% 0.7% 0.0% 1.0% 0.7% 0.3% 0.3%

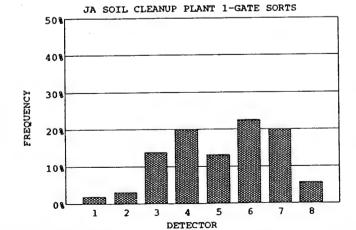
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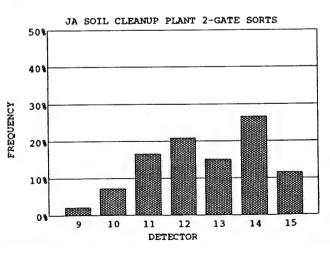




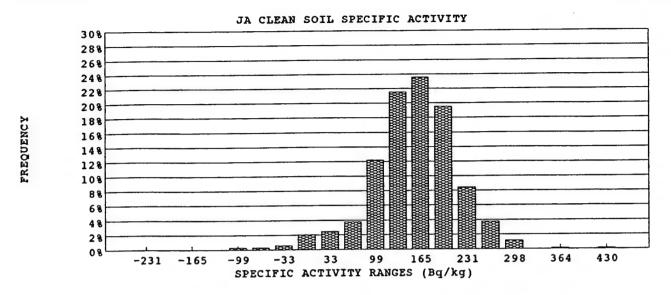
JA SOIL CLEANUP PLANT HOT PARTICLES

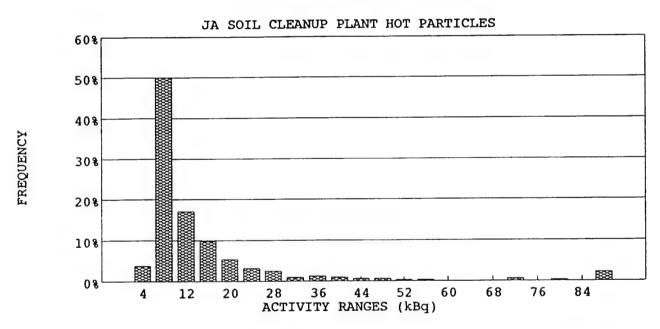


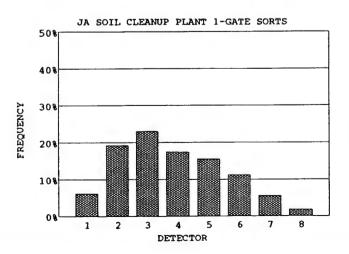


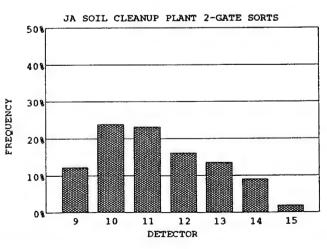


	S	ORTER SOIL	DENSITY	1.30 tor	is/m³]	BACKGROUND		2.30 :	0.17
SOIL						MINATED	CLEAN		TOTA	
00.2	MASS TO	TAL				tons	41.1 tons		41.6 t	
	MAXIMUN				60.5		60.5 kg		VI.0 .	.0115
	MINIMUM	SORT				kg	56.0 kg			
	VOLUME:	IN-GROUN	D		0.4	yd³	32.6 yd ³		33.0 y	rd³
	WEIGHT	RECOVERY (CLEAN/(HO	T+CLEAN))		98.8%				
ACTI	VITY						DISPERSE	D + PART	TICLE	
					PAR'	TICLE	нот		CLEAN	
	TOTAL				4,464	kBq	1,257 kBq		5,792	æВq
	MAXIMUN					kBq	82 kBq		25 k	:Bq
	MINIMUM				3	kBq	0 Bq		-7 k	•
	SPECIFIC A	ACHVITY					2,441 Bq/kg		141 I	3q/kg
SORT	3									
		ROCESS PERI					688		UNEXP	PAUSE
		LL 80 ELEMI		•	D=0)	4			TIME	TIME
		IONE (AD=0				523			None	10:10
		OME (AD>0				•				10:12
	U	NEXPLAINE 0	<ad<1kbq< td=""><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq<>		0					
			AD=0& MD>		0					
			D<0 & MD:		0					
	2-SEC CO	UNT PERIOI		-	Ü		6,880			
	2	-SEC RECO	RDS WITH S	ORTS		316	.,			
	2	-SEC RECO	RDS WITHO	UT SORTS		6,564				
	TOTAL PR	OCESS RECO	ORDS (2-s S	ORTS and 20	-s PERIODS	S)	1,004			
		ESSING REC		calibration, e	tc)		3			
		RTDETECTO								
		DET	235	74.37%		5 DET	0	0.00%		
		DET	68	21.52%		6 DET	0	0.00%		
		DET DET	13 0	4.11%		7 DET	0	0.00%		
		TIME BETW		0.00%	58.6	8 DET	0	0.00%		
		Y DISTRI			30.0	sa.				
	ESORTS	DISTRI			CDCC A	PD FOW	A COTE TO			TD DO
	SORTS	FREQ%	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
1	10	6.2%	(Bq) -14000	(#) 0	(Bq/kg) -231	0.0%	(kBq) 4	(#) 12		2 90%
2	31	19.3%	-12000	0	-198	0.0%	8	158		3.8% 50.0%
3	37	23.0%	-10000	0	-165		12	54		17.1%
4	28	17.4%	-8000	Ö	-132	0.0%	16	31		9.8%
5	25	15.5%	-6000	2	-99	0.3%	20	17		5.4%
6	18	11.2%	-4000	2	-66	0.3%	24	10		3.2%
7	9	5.6%	-2000	4	-33	0.6%	28	8		2.5%
8	3	1.9%	0	14	0	2.0%	32	3		0.9%
TOTAL	161		2000	17	33	2.5%	36	4		1.3%
	C C C D T T T		4000	26	66	3.8%	40	3		0.9%
	ESORTS	ED EOW	6000	84	99	12.2%	44	2		0.6%
DET 9	SORTS 19	FREQ% 12.3%	8000 10000	148 162	132 165	21.5% 23.6%	48 52	2		0.6%
10	37	23.9%	12000	134	198	23.6% 19.5%	52 56	1		0.3%
11	36	23.2%	14000	58	231	8.4%	60	1 0		0.3% 0.0%
12	25	16.1%	16000	26	264	3.8%	64	0		0.0%
13	21	13.5%	18000	8	298	1.2%	68	0		0.0%
14	14	9.0%	20000	0	331	0.0%	72	2		0.6%
15	3	1.9%	22000	1	364	0.1%	76	0		0.0%
TOTAL	155		24000	0	397	0.0%	80	1		0.3%
			26000	1	430	0.1%	84	0		0.0%
			>28000 _	0	0	0.0%	>84	7		2.2%
			TOTAL	687			TOTAL	316		
VENTI	VDCC	HPE	321	MPE	39	DISE	320			



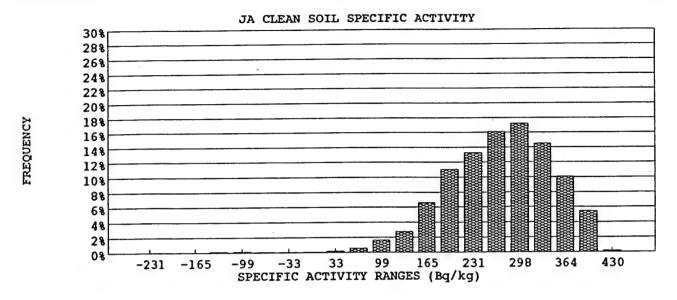


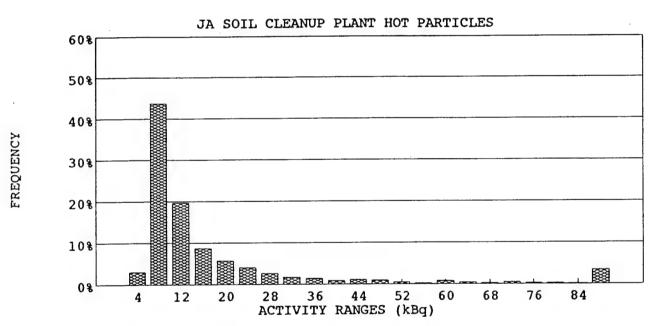


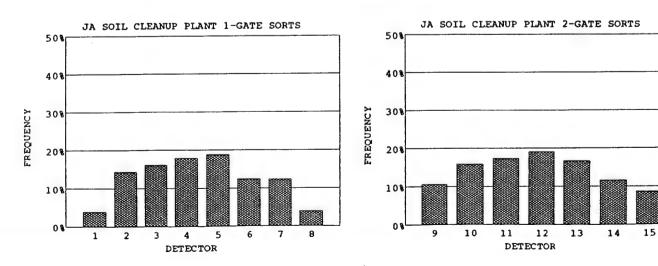


WORK DAY START LUNCH START	06:00 AM 11:00 AM		WORK DAY E	ND URING LUNCH	16:45 PM 0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.8 hr	10.8 hr	10.8 hr	10.8 hr	43.0 hr
SORTER AVAILABLE HOU	RS	10.4 hr	10.4 hr	10.4 hr	10.4 hr	41.7 hr
SORTER START-UP		06:20	06:20	06:20	06:20	
START SOIL PROCESSING		06:40	06:40	06:47	06:47	
TIME REQUIRED TO STAR	T-UP	0.3 hr	0.3 hr	0.5 hr	0.5 hr	1.6 hr
SORTER SHUT-DOWN		16:45	16:45	16:45	16:45	
END SOIL PROCESSING		16:32	16:37	16:30	16:35	
TIME REQUIRED TO SHUT	LDOMN	0.2 hr	0.1 hr	0.2 hr	0.2 hr	0.7 hr
ACTUAL PROCESS HOURS	:	9.2 hr	9.3 hr	9.0 hr	9.2 hr	36.7 hr
DOWN-TIME		1.2 hr	1.1 hr	1.4 hr	1.2 hr	5.0 hr
SYSTEM PAUSE		0.7 hr	0.7 hr	0.7 hr	0.6 hr	2.6 hr
SORTER NONAVAILABLE	ПМЕ	0.3 hr	0.3 hr	0.3 hr	0.3 hr	1.3 hr
AUTHORIZED DELAY TIM	Œ	0.6 hr	0.6 hr	0.6 hr	0.6 hr	2.4 hr
PLANT PERFORMANCE						88.0%
PRODUCTIVTY						85.2%
PRODUCTIVITY						
Date	2	27-Oc1-94	Exc	cused Delays for d	ay (sorter-hrs)	2.4 hr
Contract day (from 6 Sep)		346	Exc	used delays for co	ontract (sorter-hrs)	7,235 hr
Current Contract week		58	Exc	used delay days (¡	olant – days)	181 days
			Exc	used delay month	s (plant-month)	6.96 months
Soil production for Day		399 MT	٢			
Cumlative Soil Production for	Week	1,297 M7	Pe:	cent of contract co	ompleted	59.7%
Total Soil production for contra	act		To	ns Ahead or Behin	d Schedule	2,009 MT
Since 6 Sep	93	58,098 MT	Γ Da	ys ahead or behind	l schedule	6.3 days
Since 6 Aug	93	59,689 MT	Γ			
Total Soil production for project	ct	85,976 M7	Γ			
MT = metric tons						

SORTI	FD 1							27-Oct-94		
SOKII		ORTER SOIL	DENSITY	1.30 to	ns/m³		BACKGROUN		0.70 :	± 0.03 c/
SOIL					CONTAN	INATED	CLEAN	٧	TOTA	ı
N	ASS TOT	AL			8.4	tons	91.8 to	ons	100.3 t	ons
N	AXIMUN	A/SORT			60.5	kg	60.5 kg	g		
λ	MUMININ	SORT			0.8	kg	47.7 kg	g		
V	OLUME	IN-GROUND	•		6.7	•	72.8 ye	d³	79.5 y	/d³
		RECOVERY (C	CLEAN/(HO	(+CLEAN))	91.6%	* ** *** ***			
ACTIV	γ TTY						DISPI	ERSED + PART	ICLE	
					PART	TOLE	HOT		CLEAN	
Т	OTAL				69,821	kBq	18,373 k	Bq	23,884 1	сВq
N	IAXIMUN	A/SORT			2,493	-	960 k	•	24 1	•
	MUMININ				2	kBq	0 B	•	-91	•
		ACTIVITY	· ·				2,175 B	q/kg	260 1	Bq/kg
SORTS										
2		OCESS PERIO		MD: 000	.m. o.	40-	1,657			PAUSE
		LL 80 ELEME			(ח=תא	101			TIME	TIME
		IONE (AD=0			D ~1 (NT)	585			09:27	10:03
		OME (AD>0&			D <mndmax)< td=""><td>971</td><td></td><td></td><td>15:53</td><td></td></mndmax)<>	971			15:53	
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			D=0 & MD>		0					
			D=0 & MD>		0					
2	-SEC CO	UNT PERIOD		-	·		16,570			
_		-SEC RECOR		ORTS		3,034				
	2	-SEC RECOR	DS WITHOU	UT SORTS		13,536				
		OCESS RECO				5)	4,691			
N	ONPROC	ESSING REC	ORDS (Test,	calibration,	etc)		3			
2	- SEC SO	RT DETECTO								
		DET		69.61%		5 DET	11	0.36%		
		DET	687			6 DET	0	0.00%		
		DET	186	6.13%		7 DET	I	0.03%		
		DET ETIME BETWI	38 EEN 2 SEC	1.25%	15.7	8 DET	1	0.03%		
					15.7	SCC				
		Y DISTRI			CDEC 4	ED EOW	A COTE TO	NT 13.4		ED FOR
1-GATE		ED COM	ACT_ND	NUM	SPEC_A	FREQ%	_	NUM		FREQ%
	SORTS	FREQ% 4.0%	(Bq) -14000	(#) 0	(Bq/kg) -231	0.0%	(kBq)	(#) 91		3.0%
1	61		-12000	0	-198	0.0%		1,327		43.7%
2 3	221	14.4% 16.2%	-12000 -10000	0	-198 -165		12	597		43.7% 19.7%
4	249 275	17.9%	-8000	2	-132	0.0%	16	265		8.7%
5	290	18.9%	-6000	2	-99	0.1%		174		5.7%
6	192	12.5%	-4000	1	-66	0.1%	24	122		4.0%
7	190	12.4%	-2000	1	-33	0.1%	28	80		2.6%
8	60	3.9%	0	1	0	0.1%		52		1.7%
TOTAL -	1,538		2000	3	33	0.2%	36	43		1.4%
			4000	9	66	0.6%	40	25		0.8%
2-GATE			6000	25	99	1.6%	44	34		1.1%
	SORTS	FREQ%	8000	43	132	2.8%	48	28		0.9%
9	158	10.6%	10000	103	165	6.6%	52	14		0.5%
10	238	15.9%	12000	172	198	11.0%	56	8		0.3%
11	261	17.4%	14000	207	231	13.3%	60	23		0.8%
12	286	19.1%	16000	251	264	16.1%	64	11		0.4%
13	251	16.8%	18000	268	298	17.2%	68	7		0.2%
14	173	11.6%	20000	226	331	14.5%		14		0.5%
15_	129	8.6%	22000	157	364	10.1%		8		0.3%
TOTAL	1,496		24000	85	397	5.5%		7		0.2%
			26000	3	430	0.2%		2		0.1%
			>28000	0	0	0.0%	_	102		3.4%
End thor two con-	wnre	g g an am	TOTAL	1,559	***	D.O.	TOTAL	3,034		
EVENTT	YPES	HPE	2,960	MPE	511	DISE	7,694			



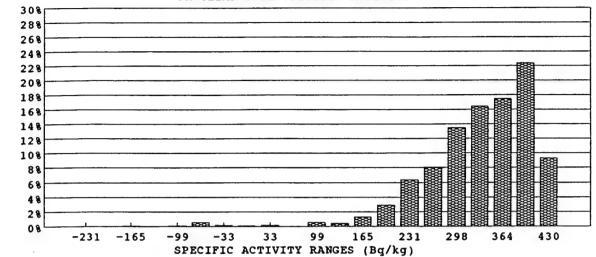




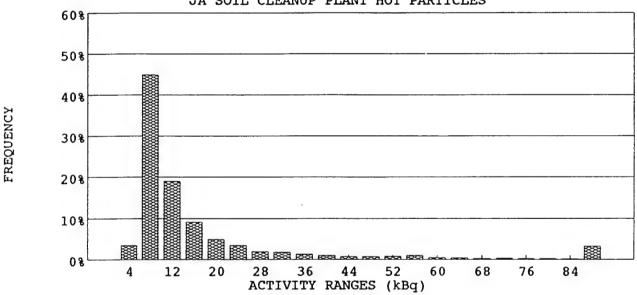
CODE	CD 2						2'	7-Oct-94		
SORT		ORTER SOIL I	DENSITY	1.30 ton	s/m³	1	BACKGROUND	/Oct94	2.56 ±	0.05 c/s
SOIL		JKI LIKE CIL			CONTAMI	NATED	CLEAN		TOTA	L
ł	AASS TOTA	AI.			38.8 to		62.2 tons		101.1 to	ons
-	MAXIMUM				60.5 k	g	60.5 kg			
1	MINIMUM				0.8 k	g	53.0 kg			
		N-GROUND			30.8 y		49.3 yd³		80.1 y	d³
7	VEIGHT R	ECOVERY (C	LEAN/(HOT	+CLEAN))		61.6%				
ACTIV	/ITY						DISPER	SED + PARTIC		
					PARTI		HOT		LEAN	
	TOTAL				72,814 k	•	36,908 kBq	2	0,135 k	-
1	MAXIMUM				4,590 k	-	2,127 kBq		26 k	-
	MINIMUM				3 k	вq	0 Bq 950 Bq/k			ъц Sq/kg
SORT	SPECIFIC A	CHVIII				-	750 Dq/A	· 8	0212	/q/ Ng
		OCESS PERIO	one				1,672	υ	NEXP	PAUSE
2		LL 80 ELEME		MD>0&MN	D=0	620	1,072	_	IME	TIME
		ONE (AD=0			.2 0,	413			13:06	10:03
	S	OME (AD>0&	0 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td>639</td><td></td><td></td><td></td><td></td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td>639</td><td></td><td></td><td></td><td></td></mndmax)<>	639				
		NEXPLAINE	DRECORDS		0					
		0-	<ad<1kbq &<="" td=""><td>6 MD>0</td><td>1</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq>	6 MD>0	1					
			D=0 & MD>		0					
			D<0 & MD >	•0	0		16,720			
1		UNT PERIOD -SEC RECOR		OT G		3,003	10,720			
		-SEC RECOR				13,717				
-					-s PERIODS		4,675			
]	NONPROC	ESSING REC	ORDS (Test,	calibration, e	etc)		2			
		RT DETECTO								
	1	DET	2,130			DET	10	0.33%		
i :		DET	657	21.88%		DET	0	0.00%		
		DET	165	5.49%		DET	0	0.00% 0.00%		
:'		DET TIME BETW	41 EEN 2_SEC	1.37%	15.7 s	DET	U	0.00%		
		Y DISTRI			13.7 3					
!!		I DISTRI		NUM	SPEC_A	EREO%	ACT_P	NUM		FREO%
DET	E SORTS SORTS	FREQ%	ACT_ND (Bq)	(#)	(Bq/kg)	IKLQ%	(kBq)	(#)		I KLQ70
1	82	5.6%	-14000	(")	-231	0.0%	4	106		3.5%
2	294	20.0%	-12000	0	-198	0.0%	8	1,348		44.9%
3	220	14.9%	-10000	1	-165	0.1%	12	570		19.0%
4	299	20.3%	-8000	0	-132	0.0%	16	276		9.2%
5	238	16.2%	-6000	I	-99	0.1%	20	149		5.0%
6	197	13.4%	-4000	6	-66	0.6%	24	105 60		3.5% 2.0%
7	109	7.4%	-2000 0	2 1	-33 0	0.2% 0.1%	28 32	54		1.8%
TOTAL	1,472	2.2%	2000	2	33	0.1%	36	40		1.3%
IOIAL	1,7/2		4000	0	66	0.0%	40	32		1.1%
2-GAT	ESORTS		6000	6	99	0.6%	44	22		0.7%
DET	SORTS	FREQ%	8000	5	132	0.5%	48	23		0.8%
9	186	12.1%	10000	14	165	1.3%	52	24		0.8%
10	298	19.5%	12000	31	198	2.9%	56	30		1.0%
11	307	20.1%	14000	67	231	6.4%	60	15		0.5%
12	281	18.4%	16000	85	264	8.1%	64 68	13 8		0.4% 0.3%
13	215	14.0%	18000 20000	142 173	298 331	13.5% 16.4%	72	10		0.3%
14 15	172 72	11.2% 4.7%	22000	184	364	17.5%	76	8		0.3%
TOTAL	1,531	7.170	24000	236	397	22.4%	80	7		0.2%
	24.32		26000	98	430	9.3%	84	6		0.2%
H			>28000	0	0	0.0%	>84	97		3.2%
			TOTAL	1,054			TOTAL	3,003		
EVENT'	TYPES	HPE	2,953	MPE	821	DISE	47,719			

FREQUENCY

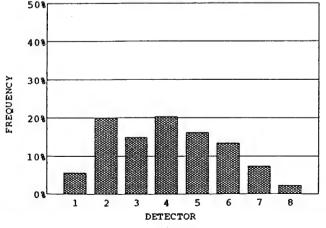


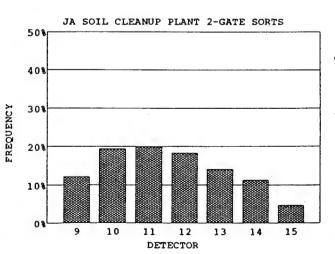


JA SOIL CLEANUP PLANT HOT PARTICLES

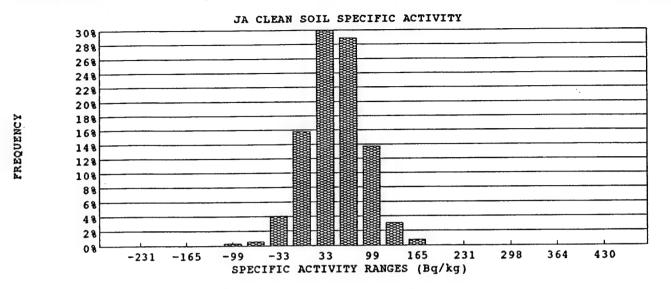


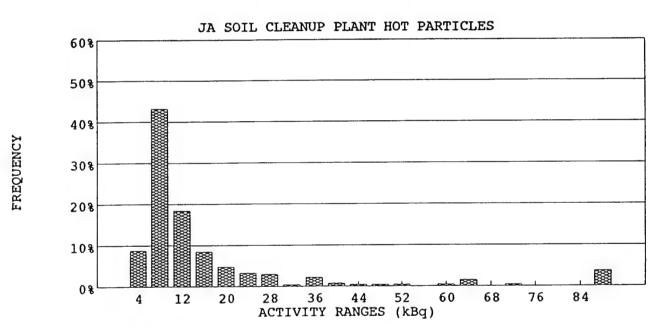


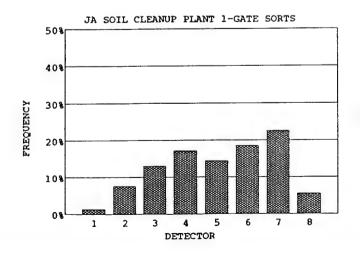


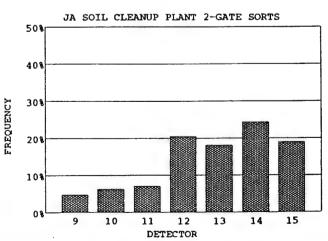


SORT	ER3	The state of the s					27	7-Oct-94		
		ORTER SOIL	DENSITY	1.30 to			BACKGROUND		0.55 ±	0.02 c/s
SOIL					CONTAM		CLEAN		TOTA	L
	MASS TOT	AL			0.2	tons	97.6 tons		97.8 t	ons
	MAXIMUM	L/SORT			4.5	kg	60.5 kg			
	MINIMUM	SORT			0.8	-	56.0 kg			
	VOLUME	N-GROUNE)		0.2	yd³	77.4 yd³		77.6 y	d ³
		ECOVERY (T+CLEAN		99.8%				
ACTT							DISPERS	SED + PARTI	CLE	
					PAR 7	TOLE	нот		CLEAN	
	TOTAL				4,760	kBa	1,378 kBq		3,081 k	Ва
	MAXIMUM	USORT			412	•	242 kBq		10 k	=
	MINIMUM					kBq	0 Bq		-7 k	-
	SPECIFIC A				,	AD4	5,796 Bq/k	o		aq/kg
SORT							3,770 Eq.	ь		/q/ //
		OCESS PERI	ODS				1,617	1	INEYP	PAUSE
				MD>08M	MD=0)	0	1,017		TIME	TIME
		LL 80 ELEME			10-0)					
		ONE (AD=0			m <145m 1	1,464			None	07:02
		•			D <mndmax)< td=""><td>153</td><td></td><td></td><td></td><td>10:03</td></mndmax)<>	153				10:03
	. U	NEXPLAINE			0					
			<ad<1kbq< td=""><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq<>		0					
			D=0 & MD>		0					
			D<0 & MD :	>0	0					
		UNT PERIOD					16,170			
	2-	-SEC RECOR	RDS WITH SO	ORTS		273				
		-SEC RECOR				15,897				
	TOTAL PR	OCESS RECO	ORDS (2-s S0	ORTS and 2	0-s PERIODS	5)	1,890			
	NONPROC	ESSING REC	ORDS (Test,	calibration,	etc)		10			
:	2-SEC SOF	TDETECTO	ORS							
	1	DET	196	71.79%		5 DET	1	0.37%		
	2	DET	59	21.61%		6 DET	0	0.00%		
	3	DET	14	5.13%		7 DET	0	0.00%		
		DET	3	1.10%		8 DET	0	0.00%		
	AVERAGE	TIME BETW	EEN 2-SEC		165.0					
		DISTRI								
	ESORTS	. 2.0111	ACT_ND	NUM	SPEC A	ED EO	ACT_P	NUM		FREQ%
		TD FOO			_	FREQ%				FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#)		
1	2	1.4%	-14000	0	-231	0.0%	4	24		8.8%
2	11	7.5%	-12000	0	-198	0.0%	8	118		43.2%
3	19	13.0%	-10000	0	-165	0.0%	12	50		18.3%
4	25	17.1%	-8000	0	-132	0.0%	16	23		8.4%
5	21	14.4%	-6000	5	-99	0.3%	20	13		4.8%
6	27	18.5%	-4000	9	-66	0.6%	24	9		3.3%
7	33	22.6%	-2000	66	-33	4.1%	28	8		2.9%
8	8	5.5%	0	257	0	15.8%	32	1		0.4%
TOTAL	146		2000	534	33	32.8%	36	6		2.2%
			4000	470	66	28.9%	40	2		0.7%
2-GAT	ESORTS		6000	223	99	13.7%	44	1		0.4%
DET	SORTS	FREQ%	8000	50	132	3.1%	48	1		0.4%
9	6	4.7%	10000	13	165	0.8%	52	1		0.4%
10	8	6.3%	12000	0	198	0.0%	56	0		0.0%
11	9	7.1%	14000	0	231	0.0%	60	1		0.4%
12	26	20.5%	16000	0	264	0.0%	64	4		1.5%
13	23	18.1%	18000	0	298	0.0%	68	0		0.0%
14	31	24.4%	20000	0	331	0.0%	72			
15								1		0.4%
-	24	18.9%	22000	0	364	0.0%	76	0		0.0%
TOTAL	127		24000	0	397	0.0%	80	0		0.0%
			26000	0	430	0.0%	84	0		0.0%
			>28000	0	0	0.0%	>84	10		3.7%
			TOTAL	1,627			TOTAL	273		
	TYPES	HPE	268	MPE	44	DISE	0			

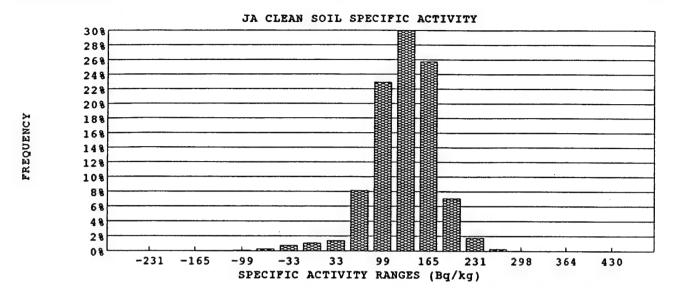


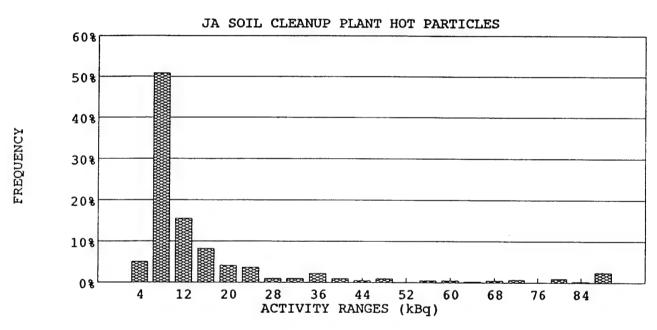


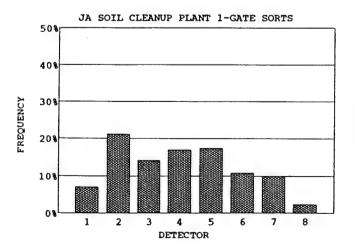


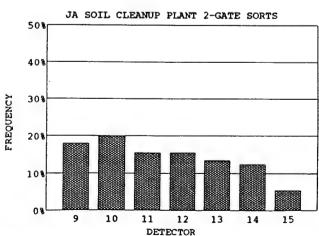


SORT	TER 4						27	-Oct-94		
		SORTER SOIL	DENSITY	1.30 tor	ns/m³	В	ACKGROUND		2.30 ±	0.04 c/s
SOIL					CONTAM	INATED	CLEAN		TOTA	L
	MASS TO	TAL				tons	99.5 tons		99.9 t	ons
l	MAXIMU.				4.5	-	60.5 kg			
	MINIMUN				0.8	-	56.0 kg		50.0	**
1		IN-GROUND		F. (7 F. 1 1 1)	0.3	-	78.9 yd ³		79.2 yo	13
1 0777		RECOVERY (LEAN/(HO)	(+CLEAN)		99.7%				
ACTI	VITY						_	ED + PARTI		
						TCLE	HOT	-	CLEAN	n.
	TOTAL	MEODE			9,179 1,507	-	2,201 kBq 656 kBq		11,360 kl 16 kl	-
	MAXIMU					kBq	0 Bq	·	-6 k	•
		ACTIVITY			•	2 24	6,476 Bq/kg	Z.	114 B	•
SORT										
		ROCESS PERI	ODS				1,651	ι	JNEXP	PAUSE
		ALL 80 ELEME	NTS SORT (MD>0&MN	$\mathbf{ID} = 0$	0		•	пме	TIME
		NONE (AD=0				1,434		(6:59	10:03
	:	SOME (AD>08	60 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td>217</td><td></td><td></td><td>9:39</td><td></td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td>217</td><td></td><td></td><td>9:39</td><td></td></mndmax)<>	217			9:39	
	1	UNEXPLAINE			0				11:19	
			<ad<1kbq &<="" td=""><td></td><td>6</td><td></td><td></td><td></td><td>11:22</td><td></td></ad<1kbq>		6				11:22	
			D=0 & MD>		0				14:57	
	0.000.00		D<0 & MD >	>0	0		16,510	,	15:16	
		OUNT PERIOD 2-SEC RECOR		T T T		413	10,510			
		2-SEC RECOR				16,097				
		ROCESS RECO			-s PERIODS	•	2,064			
		CESSING REC				,	4			
		RTDETECTO		·	,					
		DET	307	74.33%		5 DET	0	0.00%		
	:	DET	90	21.79%		6 DET	0	0.00%		
	- 3	BDET	15	3.63%		7 DET	0	0.00%		
		4 DET	1	0.24%		8 DET	0	0.00%		
22.20		E TIME BETW			107.6	sec				
1		Y DISTRI								
	TE SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET		FREQ%	(Bq)	(#)	(Bq/kg)	0.0~	(kBq)	(#)		~
1	15	7.1%	-14000 -12000	0	-231 -198	0.0% 0.0%	4	21 210		5.1% 50.8%
2 3		21.2%		0	-165		8 12	64		15.5%
4		14.2% 17.0%	-10000 -8000	0	-132	0.0%	16	34		8.2%
5		17.5%	-6000	1	-99	0.1%	20	17		4.1%
6		10.8%	-4000	4	-66	0.2%	24	15		3.6%
7		9.9%	-2000	12	-33	0.7%	28	4		1.0%
8	5	2.4%	0	17	0	1.0%	32	4		1.0%
TOTAL	212		2000	23	33	1.4%	36	9		2.2%
			4000	135	66	8.2%	40	4		1.0%
	TESORTS	PM 40.0 ~	6000	379	99	22.9%	44	2		0.5%
1	SORTS	FREQ%	8000	508	132	30.7%	48	4		1.0%
9		17.9% 19.9%	10000 12000	426 117	165 198	25.7% 7.1%	52 56	0 2		0.0% 0.5%
10 11		19.9%	14000	29	231	1.8%	60	2		0.5%
12		15.4%	16000	4	264	0.2%	64	1		0.2%
13		13.4%	18000	0	298	0.0%	68	2		0.5%
14		12.4%	20000	0	331	0.0%	72	3		0.7%
15		5.5%	22000	0	364	0.0%	76	0		0.0%
TOTAL			24000	O	397	0.0%	80	4		1.0%
			26000	0	430	0.0%	84	1		0.2%
			>28000	0	0	0.0%	>84	10		2.4%
			TOTAL	1,655			TOTAL	413		
EVENT	TYPES	HPE	418	MPE_	30	DISE	0			





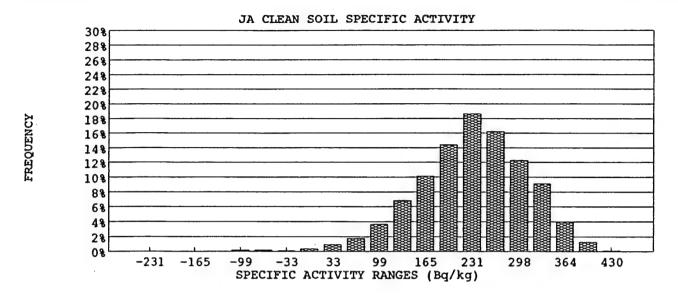


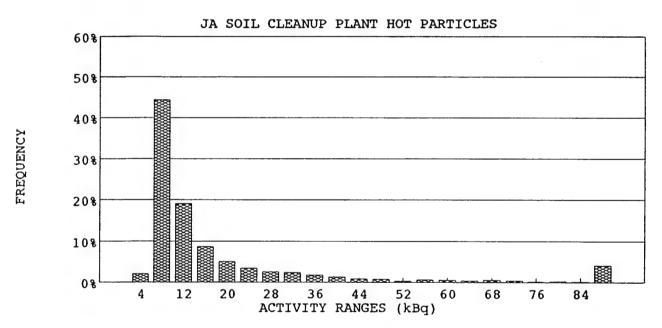


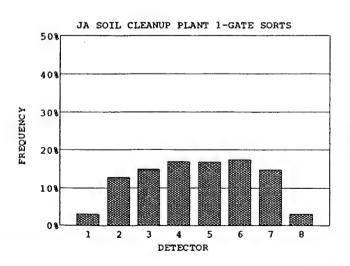
WORK DAY START	06:00 AM		WORK DAY E		16:50 PM		
LUNCH START	11:00 AM		TIME LOST DU	JRING LUNCH	0.0 HR		
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL	
						(sorter ho	ours)
WORK HOURS		10.8 hr	10.8 hr	10.8 hr	10.8 hr	43.3 h	ır
SORTER AVAILABLE HOU	'RS	10.7 hr	10.7 hr	3.2 hr	10.0 hr	34.5 h	ır
SORTER START-UP		06:10	06:10	06:20	06:20		
START SOIL PROCESSING		06:18	06:18	06:35	06:35		
TIME REQUIRED TO STAR	T-UP	0.1 hr	0.1 hr	0.3 hr	0.3 hr	0.8 h	r
SORTER SHUT-DOWN		16:50	16:50	09:30	16:20		
END SOIL PROCESSING		16:37	16:38	09:19	16:10		
TIME REQUIRED TO SHUT	rdown	0.2 hr	0.2 hr	0.2 hr	0.2 hr	0.7 h	ır
ACTUAL PROCESS HOURS	;	9.9 hr	9.9 hr	1.7 hr	9.4 hr	30.9 h	ır
DOWN-TIME		0.7 hr	0.7 hr	1.5 hr	0.6 hr	3.6 h	r
SYSTEM PAUSE		0.4 hr	0.4 hr	1.1 hr	0.0 hr	1.9 h	ır
SORTER NONAVAILABLE	ТІМЕ	0.2 hr	0.2 hr	7.7 hr	0.8 hr	8.8 h	ır
AUTHORIZED DELAY TIM	1E	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 h	ır
PLANT PERFORMANCE						89.7%	
PRODUCTIVTY						71.4%	
	•						
PRODUCTIVITY							
Date	;	28-Oct-94	Exc	used Delays for d	ay (sorter – hrs)	0 h	ır
Contract day (from 6 Sep)		347	Exc	used delays for co	ontract (sorter-hrs)	7,235 h	ır
Current Contract week		58	Exc	used delay days (¡	plant – days)	181 d	iays
			Exc	used delay month	s (plant-month)	6.96 n	nonths
Soil production for Day		337 MT	•				
Cumlative Soil Production for	Week	1,634 MT	Per	cent of contract co	ompleted	60.0%	
Total Soil production for contr	act	•	Ton	s Ahead or Behir	nd Schedule	2,029 N	TM
Since 6 Sep	93	58,435 MT	Day	s ahead or behind	f schedule	6.4 d	lays
Since 6 Aug	93	60,026 MT	•				
Total Soil production for proje	ct	86,313 MT	•				

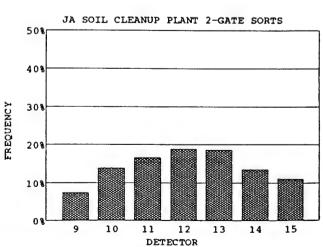
MT = metric tons

SORT	ER 1						28	-Oct-94		
		ORTER SOIL	DENSITY	1.30 to	ns/m³]	BACKGROUND		0.67	± 0.02 c/s
SOIL					CONTAI	MINATED	CLEAN		TOTA	L
	MASS TOT	TAL			3.4	tons	104.7 tons		108.1 t	ons
	MAXIMUN	M/SORT			63.0	kg	60.5 kg			
	MINIMUM	I/SORT			0.8	kg	50.7 kg			
	VOLUME	IN-GROUNI	•		2.7	yd³	83.0 yd ³		85.7 y	rd³
	WEIGHTI	RECOVERY (CLEAN/(HO	T+CLEAN))	96.9%				
ACTI	VITY						DISPERS	ED + PART	ICLE	
					PAR'	TICLE	нот		CLEAN	
	TOTAL				53,393	kBq	12,465 kBq		23,082	:Bq
l .	MAXIMUN	M/SORT			-	kBq	332 kBq		24 1	:Bq
	MINIMUM	I/SORT			3	kBq	(482)Bq		-7 k	:Bq
	SPECIFIC	ACTIVITY					3,679 Bq/kg		220 I	3q/kg
SORT	S									
	20-SEC PI	ROCESS PERI	IODS				1,786		UNEXP	PAUSE
	A	LL 80 ELEMI	ENTS SORT (MD>0&M1	VD=0	21			TIME	TIME
	N	IONE (AD=0	& MD=0&N	(ND>0		764			06:18	06:18
		OME (AD>0		,	D <mndmax< td=""><td>) 1,001</td><td></td><td></td><td>07:25</td><td></td></mndmax<>) 1,001			07:25	
	τ	NEXPLAINE	DRECORD	S	0				08:15	
		0	<ad<1kbq< td=""><td>& MD>0</td><td>4</td><td></td><td></td><td></td><td>09:07</td><td></td></ad<1kbq<>	& MD>0	4				09:07	
			AD=0 & MD>		0				15:09	
			AD<0 & MD:	>0	1					
		UNTPERIOR					17,860			
		-SEC RECOR				2,428				
		-SEC RECOR			nenion.	15,432	4014			
		OCESS RECO				5)	4,214			
		ESSING REC		cambration, e	eic)		6			
		RT DETECTO DET	1.751	72.12%		5 DET	6	0.25%		
	_	DET	539	22.20%		6 DET	0	0.20%		
		DET	109	4.49%		7 DET	0	0.00%		
		DET	23	0.95%		8 DET	0	0.00%		
		ETIME BETW			20.4		v	0.0070		
		Y DISTRI						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
_	ESORTS	1 210111	ACT_ND	NUM	SPEC_A	ED EO%	ACT_P	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	IKLQ	(kBq)	(#)		IKLQ
1	38	3.1%	-14000	0	-231	0.0%	4	51		2.1%
2	159	12.9%	-12000	0	-198	0.0%	8	1,078		44.4%
3	185	15.0%	-10000	0	-165	0.0%	12	462		19.0%
4	208	16.9%	-8000	0	-132	0.0%	16	211		8.7%
5	207	16.8%	-6000	3	-99	0.2%	20	123		5.1%
6	215	17.4%	-4000	3	-66	0.2%	24	84		3.5%
7	183	14.8%	-2000	2	-33	0.1%	28	61		2.5%
8	38_	3.1%	0	6	0	0.3%	32	58		2.4%
TOTAL	1,233		2000	16	33	0.9%	36	43		1.8%
			4000	31	66	1.8%	40	33		1.4%
	ESORTS		6000	65	99	3.7%	44	21		0.9%
DET	SORTS	FREQ%	8000	121	132	6.8%	48	19		0.8%
9	88	7.4%	10000	179	165	10.1%	52	8		0.3%
10	167	14.0%	12000	255	198	14.4%	56	16		0.7%
11	198	16.6%	14000	330	231	18.6%	60	13		0.5%
12	225	18.8%	16000	287	264	16.2%	64	9		0.4%
13	222	18.6%	18000	217	298	12.3%	68	13		0.5%
14	162	13.6%	20000	161	331	9.1%	72	10		0.4%
15	133	11.1%	22000	71	364	4.0%	76	4		0.2%
TOTAL	1,195		24000	22	397	1.2%	80	6		0.2%
			26000	2	430	0.1%	84	3		0.1%
			>28000 _	0	0	0.0%	>84	102		4.2%
-	T (DDC		TOTAL	1,771			TOTAL	2,428		
EVENT	TYPES	HPE	2,425	MPE	412	DISE	1,634			

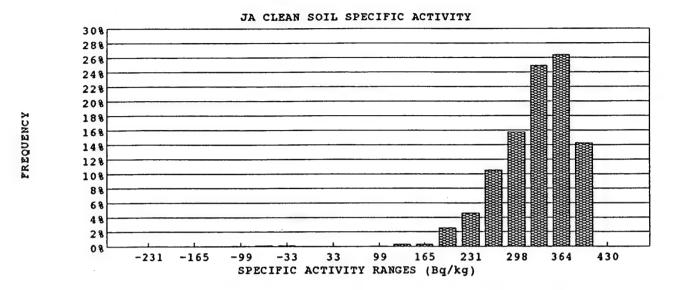


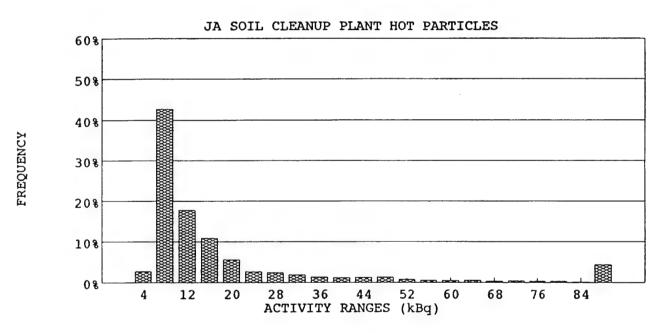


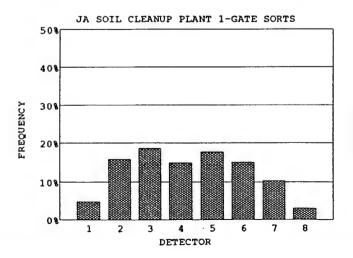


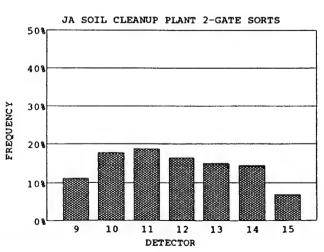


SOR	ΓER 2							28-Oct-94		
		ORTER SOIL	DENSITY	1.30 to	ons/m³		BACKGROUN		2.46	± 0.05 c/s
SOIL					CONTAI	MINATED	CLEAN	4	TOTA	AL.
	MASS TOT				-	tons	71.7 to		108.3	ions
	MAXIMUN				63.0	_	60.5 kg			
	MINIMUM				0.8	•	51.5 kg		050	
		N-GROUNI ECOVERY (T±CI EAN	29.1	ya ³ 66.2%	56.8 yo	1 3	85.9 y	Aq ₃
ACTI	VITY	ECOVERI	CLEAN/(110	ITCLIN))	00.270	Dich	ERSED + PART	ICLE	
ACII	V11 1				PAR'	TICLE	нот	SKSED TIAKI	CLEAN	
	TOTAL				71,803		35,382 kl	Ba	22,842	kBa
	MAXIMUM	I/SORT			2,167		802 kl	•	24 1	•
	MINIMUM	SORT			3	kBq	0 B	q	-5 1	kBq
	SPECIFIC A	CTIVITY					965 B	q/kg	319 1	Bq/kg
SORT										
		OCESS PERI		N. C.	. TO . O.	£200	1,790			PAUSE
		LL 80 ELEME			ND=0)	572			TIME	TIME
		ONE (AD=0			ID <mndmax< td=""><td>336) 882</td><td></td><td></td><td>07:15</td><td>06:19</td></mndmax<>	336) 882			07:15	06:19
		DME (AD>00 NEXPLAINE			xamunm>ur 0	, 002				
	·		<ad<1kbq &<="" td=""><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td></ad<1kbq>		1					
			D=0 & MD>		0					
		Α	D<0 & MD :	>0	0					
		UNTPERIOD					17,900			
		-SEC RECOR				3,012				
		-SEC RECOR			O - PERIODS	14,888	4,802			
		ESSING REC			0-s PERIODS	3)	3			
		T DETECTO	-	canoration,	cicy		,			
	1	DET	2,139	71.02%		5 DET	7	0.23%		
	2	DET	695	23.07%		6 DET	0	0.00%		
		DET	146	4.85%		7 DET	0	0.00%		
		DET	25 CEN12 CEC	0.83%		8 DET	0	0.00%		
EDEC		TIME BETW DISTRI			16.7	Sec			 	
	ESORTS	DISTRI	ACT ND	NUM	SDEC 4	EDEO	ACT_P	NUM		EDEOW.
DET		FREQ%	(Bq)	(#)	SPEC_A (Bq/kg)	FREQ%	(kBq)	(#)		FREQ%
1	74	4.9%	-14000	0	-231	0.0%	(kDq)	82		2.7%
2	239	15.8%	-12000	0	-198	0.0%	8	1,286		42.7%
3	282	18.6%	-10000	0	-165	0.0%	12	534		17.7%
4	225	14.8%	-8000	0	-132	0.0%	16	327		10.9%
5	268	17.7%	-6000	1	-99	0.1%	20	169		5.6%
6	227	15.0%	-4000	2	-66	0.2%	24	79		2.6%
7	156	10.3%	-2000	2	-33	0.2%	28	73		2.4%
TOTAL	1,517	3.0%	0 2000	0	0 33	0.0% 0.0%	32 36	58 40		1.9% 1.3%
	2921		4000	0	66	0.0%	40	36		1.2%
2-GAT	ESORTS		6000	1	99	0.1%	44	37		1.2%
DET	SORTS	FREQ%	8000	4	132	0.3%	48	39		1.3%
9	166	11.1%	10000	4	165	0.3%	52	24		0.8%
10	264	17.7%	12000	31	198	2.5%	56	17		0.6%
11	279	18.7%	14000	56	231	4.6%	60	15		0.5%
12 13	244 223	16.3% 14.9%	16000 18000	128 192	264	10.5%	64	18		0.6%
13	216	14.9%	20000	192 304	298 331	15.7% 24.9%	68 72	11 13		0.4% 0.4%
15	103	6.9%	22000	322	364	26.4%	76	9		0.4%
TOTAL	1,495	U.2.70	24000	174	397	14.3%	80	9		0.3%
	•		26000	0	430	0.0%	84	4		0.1%
			>28000	0	0	0.0%	>84	132		4.4%
			TOTAL	1,221			TOTAL	3,012		
EVENT	TYPES	HPE	2,975	MPE	1,460	DISE	44,030			

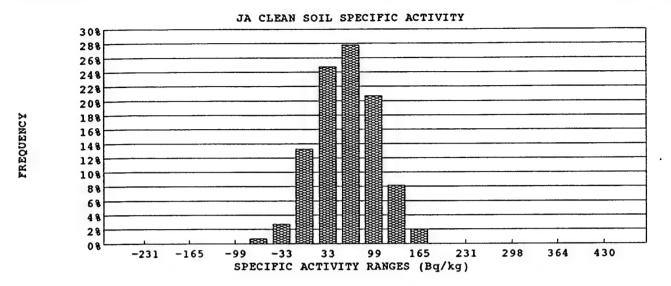


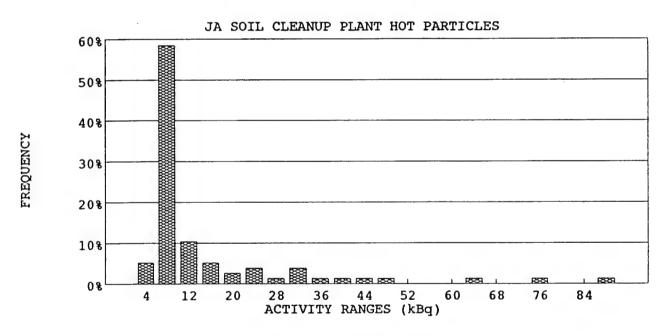


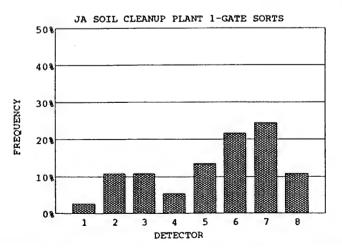


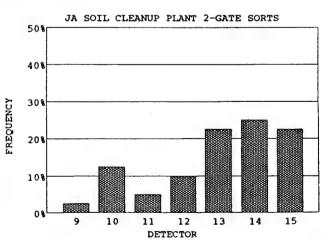


SORT	TER 3						28	-Oct-94		
OCST		SORTER SOIL	DENSITY	1.30 to			BACKGROUND			± 0.02 c/
SOIL						MINATED	CLEAN		TOTA	
	MASS TO					tons	17.8 tons		18.2	tons
	MAXIMU				63.0	•	60.5 kg			
	MINIMUN				0.8	_	57.5 kg			
		IN-GROUNI		T+ CT EARD		yd³ 97.6%	14.1 yd ³		14.4	yd 3
	VITY	RECOVERY (CLEAN/(HO	I+CLEAN)	91.070	Diebebe	ED + PART	TCLE	
ACII	A11 1				DAD	ncle	HOT	ED T PAKI	CLEAN	
	TOTAL				1,040		294 kBq		762 I	
	MAXIMU	MSORT			-	kBq	59 kBq			kBq
	MINIMUN					kBq	0 Bq		-5	_
		ACTIVITY					665 Bq/kg	Z		Bq/kg
SORT										
		ROCESS PERI	ODS				301		UNEXP	PAUSE
		ALL 80 ELEME		MD>0&M	ND=0	6			TIME	TIME
		NONE (AD=0	•		,	255			06:57	06:48
		SOME (AD>0			D <mndmax< td=""><td>) 40</td><td></td><td></td><td>07:49</td><td>06:52</td></mndmax<>) 40			07:49	06:52
		UNEXPLAINE			0				09:18	07:02
		0	<ad<1kbq &<="" td=""><td>& MD>0</td><td>0</td><td></td><td></td><td></td><td>09:19</td><td>07:45</td></ad<1kbq>	& MD>0	0				09:19	07:45
		Α	D=0 & MD>	0	2					08:29
			D<0 & MD :	>0	0					09:18
	2-SEC CC	OUNT PERIOD	S				3,010			
	_	2-SEC RECOR				77				
		2-SEC RECOR				2,933				
		ROCESS RECC				S)	378			
		CESSING REC	•	calibration,	etc)		0			
		RT DETECTO LDET		67.53%		5 DET	1	1.30%		
		DET	15	19.48%		6 DET	0	0.00%		
		DET	6	7.79%		7 DET	0	0.00%		
		DET	3	3.90%		8 DET	0	0.00%		
	AVERAG	E TIME BETW	EEN 2-SEC	SORTS	115.8	sec				
FREC	UENC	Y DISTRI	BUTION	1S						
	ESORTS		ACT_ND	NUM	SPEC A	FREQ%	ACT_P	NUM		FREO%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	1	2.7%	-14000	` ó	-231	0.0%	` 4	` 4		5.2%
2	4	10.8%	-12000	0	-198	0.0%	8	45		58.4%
3	4	10.8%	-10000	0	-165	0.0%	12	8		10.4%
4	2	5.4%	-8000	0	-132	0.0%	16	4		5.2%
5	5	13.5%	-6000	0	-99	0.0%	20	2		2.6%
6	8	21.6%	-4000	2	-66	0.7%	24	3		3.9%
7	9	24.3%	-2000	8	-33	2.7%	28	1		1.3%
8	4	10.8%	0	39	0	13.2%	32	3		3.9%
TOTAL	37		2000	73	33	24.7%	36	1		1.3%
	Teònas		4000	82	66	27.8%	40	1		1.3%
	ESORTS	ED EOW	6000 8000	61	99 132	20.7% 8.1%	44	1		1.3%
DET 9	SORTS 1	FREQ% 2.5%	10000	24 6	132 165	2.0%	48 52	1 0		1.3% 0.0%
10	5	12.5%	12000	0	198	0.0%	56	0		0.0%
11	2	5.0%	14000	0	231	0.0%	60	0		0.0%
12	4	10.0%	16000	0	264	0.0%	64	1		1.3%
13	9	22.5%	18000	0	298	0.0%	68	ō		0.0%
14	10	25.0%	20000	0	331	0.0%	72	0		0.0%
15	9	22.5%	22000	0	364	0.0%	76	1		1.3%
OTAL	40		24000	0	397	0.0%	80	0		0.0%
			26000	0	430	0.0%	84	0		0.0%
			>28000	0	0	0.0%	>84	1		1.3%
			TOTAL	295			TOTAL	77		
	TYPES	HPE	80	MPE	4	DISE	498			

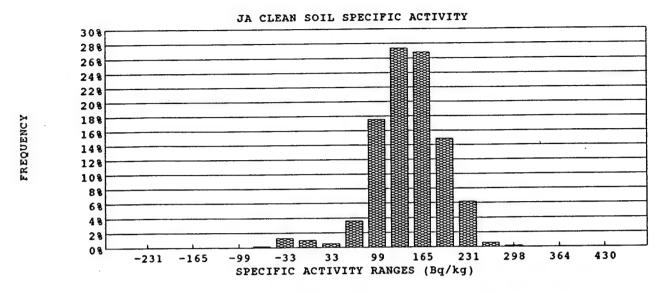


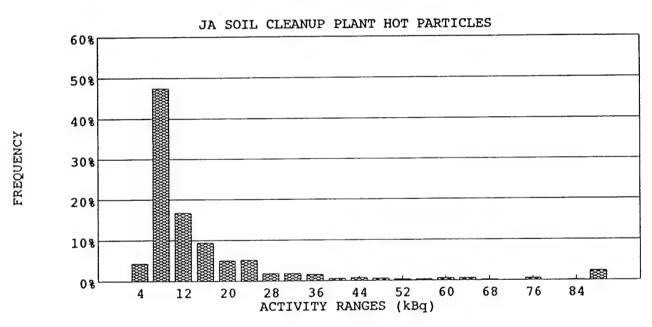


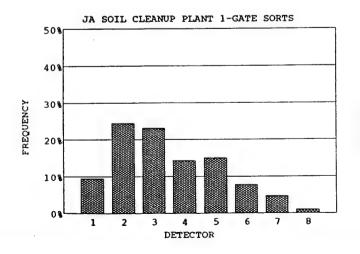


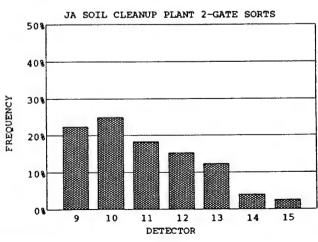


SOR	TER 4			4			28-	-Oct -94	,	
	S	ORTER SOIL	DENSITY	1.30 to	ons/m³		BACKGROUND			0.03 c/s
SOIL					CONTAI	MINATED	CLEAN		TOTA	L
	MASS TOT					tons	101.9 tons		102.4 t	ons
	MAXIMUN				8.3	_	60.5 kg			
	MINIMUM		,		0.8	_	52.2 kg		01.0	.33
		IN-GROUNI FCOVERY (CLEAN/(HO	LTCI EVI		yd³ 99.5%	80.8 yd ³		81.2 y	ď
ACT	IVITY	CECOVERT	CLEMIVINO	ITCLEAN	<i>u</i>	77.570	DISPERSE	D : DAD	TICLE	
ACI					DAD	TICLE	HOT	D + PAK	CLEAN	
	TOTAL				8,041		2,272 kBq		13,618 k	·Bα
	MAXIMUN	A/SORT			-	kBq	129 kBq		18 k	-
	MINIMUM	SORT			3	kBq	0 Bq		-3 k	•
	SPECIFIC	ACTIVITY					4,591 Bq/kg		134 E	3q/kg
SOR	ΓS									
	_	OCESS PERI					1,693		UNEXP	PAUSE
			ENTS SORT (ND=0)	0			TIME	TIME
			& MD=0 & N		ID ALLED	1,394			12:38	None
		•	&0 <md<mn D RECORDS</md<mn 		ID <mndmax< td=""><td>) 299</td><td></td><td></td><td>14:23</td><td></td></mndmax<>) 299			14:23	
	U		AD<1kBq &		0				15:10	
			D=0 & MD>		0					
			D<0 & MD >		0					
	2-SEC CO	UNT PERIOD	S				16,930			
	2	-SEC RECOR	RDS WITH SO	ORTS		562				
			RDS WITHOU			16,368				
					0-s PERIODS	S)	2,255			
		ESSING REC RT DETECTO	ORDS (Test,	calibration,	etc)		39			
		DET	A18	74.38%		5 DET	0	0.00%		
		DET	127	22.60%		6 DET	0	0.00%		
		DET	16	2.85%		7 DET	0	0.00%		
	4	DET	1	0.18%		8 DET	0	0.00%		
			EEN 2-SEC		81.0	sec			**	
FREC	QUENCY	Y DISTRI	BUTION	IS						
1-GA	TE SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	28	9.5%	-14000	0	-231	0.0%	4	24		4.3%
2		24.5%	-12000	0	-198	0.0%	8	267		47.5%
3	68 42	23.1% 14.3%	-10000 -8000	0	-165 -132	0.0% 0.0%	12	94 53		16.7%
5	44	15.0%	-6000	0	-132 -99	0.0%	16 20	53 28		9.4% 5.0%
6	23	7.8%	-4000	3	-66	0.0%	24	29		5.2%
7	14	4.8%	-2000	22	-33	1.3%	28	10		1.8%
8	3	1.0%	0	17	0	1.0%	32	10		1.8%
TOTAL	294		2000	9	33	0.5%	36	9		1.6%
2 0:-			4000	62	66	3.6%	40	3		0.5%
2-GAT DET	ESORTS	EDECO	6000 8000	304 474	99	17.6%	44	4		0.7%
DE1	SORTS 60	FREQ% 22.4%	10000	474 464	132 165	27.4% 26.8%	48 52	3 2		0.5% 0.4%
10	67	25.0%	12000	257	198	14.8%	56	2		0.4%
11	49	18.3%	14000	107	231	6.2%	60	3		0.5%
12	41	15.3%	16000	10	264	0.6%	64	3		0.5%
13	33	12.3%	18000	3	298	0.2%	68	1		0.2%
14	11	4.1%	20000	0	331	0.0%	72	0		0.0%
15	7	2.6%	22000	0	364	0.0%	76	3		0.5%
TOTAL	268		24000	0	397	0.0%	80	0		0.0%
			26000	0	430	0.0%	84	1		0.2%
			>28000 _	1 772	0	0.0%	>84	13		2.3%
EVENT	TYPES	nbc	TOTAL	1,732 MPF	00	DICE	TOTAL	562		
VENT.	TYPES	HPE	562	MPE	90	DISE	0			





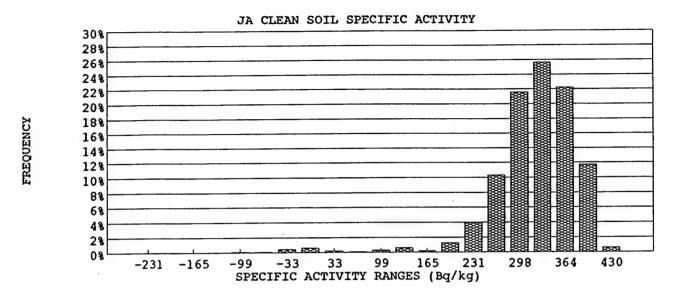


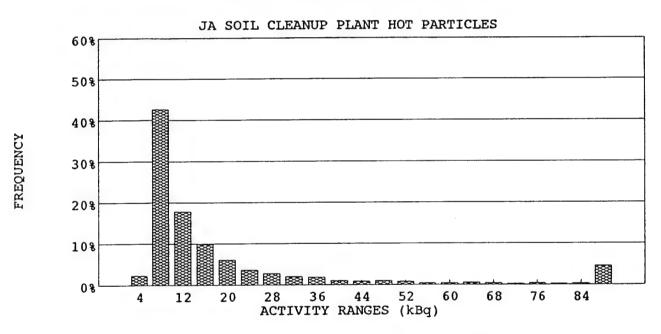


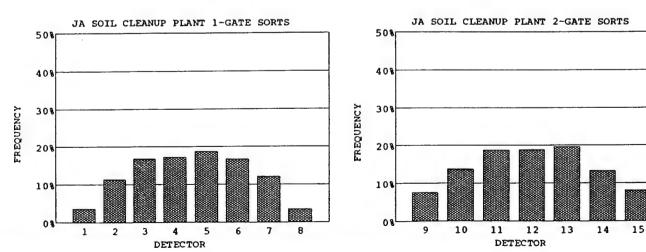
WORK DAY START	06:00 AM	I	WORK DAY E	ND	16:30 PM	
LUNCH START	11:00 AM	I	TIME LOST DU	JRING LUNCH	0.0 HR	
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL (sorter hours)
WORK HOURS		10.5 hr	10.5 hr	10.5 hr	10.5 hr	42.0 hr
SORTER AVAILABLE HO	URS	7.0 hr	7.0 hr	7.2 hr	7.2 hr	28.4 hr
SORTER START-UP	•	06:30	06:30	06:19	06:19	
START SOIL PROCESSING	}	06:35	06:35	06:40	06:43	
TIME REQUIRED TO STA	RT-UP	0.1 hr	0.1 hr	0.4 hr	0.4 hr	0.9 hr
SORTER SHUT-DOWN		13:30	13:30	13:30	13:30	
END SOIL PROCESSING		13:13	13:18	12:59	12:55	
TIME REQUIRED TO SHU	TDOWN	0.3 hr	0.2 hr	0.5 hr	0.6 hr	1.6 hr
ACTUAL PROCESS HOUR	S	6.3 hr	6.5 hr	6.3 hr	6.2 hr	25.3 hr
DOWN-TIME		0.7 hr	0.5 hr	0.9 hr	1.0 hr	3.1 hr
SYSTEM PAUSE		0.3 hr	0.3 hr	0.0 hr	0.0 hr	0.6 hr
SORTER NONAVAILABLE	ЕПМЕ	3.5 hr	3.5 hr	3.3 hr	3.3 hr	13.6 hr
AUTHORIZED DELAY TI	ME	0.0 hr	0.0 hr	0.0 hr	0.0 hr	0.0 hr
PLANT PERFORMANCE						89.2%
PRODUCTIVTY						60.2%
PRODUCTIVITY						
Date	2	29-Oct-94	Exc	ised Delays for da	ay (sorter-hrs)	0 hr
Contract day (from 6 Sep)		348	Exci	ised delays for co	ntract (sorter-hrs)	7,235 hr
Current Contract week		58	Excu	ised delay days (p	olant – days)	181 days
			Excu	ised delay months	s (plant-month)	6.96 months
Soil production for Day		276 MT	•			
Cumlative Soil Production for	Week	1,910 MT	Perc	ent of contract co	mpleted	60.3%
Total Soil production for contr	ract		Tons	Ahead or Behin	d Schedule	1,988 MT
Since 6 Sep	93	58,711 MT	Day	s ahead or behind	schedule	6.3 days
Since 6 Aug	3 93	60,302 MT				
Total Soil production for proje	ect	86,589 MT				

MT = metric tons

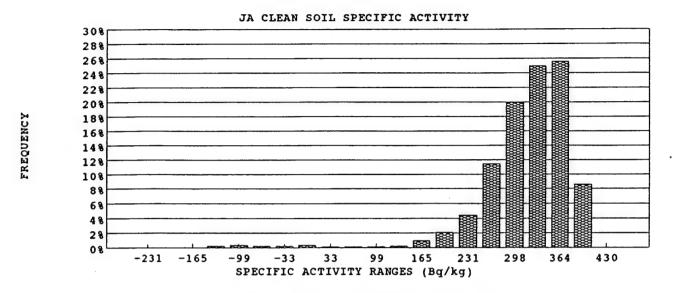
CODI	ΓER 1						29	-Oct-94	
SOK	IERI	SORTER SO	OIL DENSITY	1.30 tons	s/m³	ВА	CKGROUND	2.30	± 0.10 c/s
SOIL					CONTAM	NATED	CLEAN	TOT	TAL
	MASST	OTAL			12.5 t	ons	56.6 tons	69.1	tons
		UM/SORT			60.5 k	g	60.5 kg		
	MINIM	UM/SORT			0.8 k	_	49.9 kg		
		ME IN-GROU			9.9 y		44.8 yd³	54.7	yd³
			Y (CLEAN/(HO)	+CLEAN))		81.9%			
ACTI	IVITY							ED + PARTICLE	.,
					PART		нот	CLEA	
	TOTAL				49,048 1	•	16,109 kBq	17,687	kBq
		IUM/SORT			1,560 1	:Bq	672 kBq 0 Bq		kBq
		UM/SORT	•		31	rpd	1,289 Bq/kg		Bq/kg
COD		IC ACTIVITY							
SORT							1,141	UNEX	P PAUSE
	20-SE	PROCESS PI	ERIODS EMENTS SORT (MD>0&MNั	D=0)	182	4,171	TIME	
			=0 & MD=0 & M		- · ·)	307		08:29	
		NONE (AD	>0&0 <md=0&n >0&0<md<mn< td=""><td>Dmax&MNI</td><td>)<mndmax)< td=""><td>652</td><td></td><td>11:02</td><td></td></mndmax)<></td></md<mn<></md=0&n 	Dmax&MNI) <mndmax)< td=""><td>652</td><td></td><td>11:02</td><td></td></mndmax)<>	652		11:02	
			INED RECORDS		0				
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			AD=0 & MD>		0				
			AD<0 & MD	>0	0				
	2-SEC	COUNT PER					11,410		
			CORDS WITH SO			1,962 9,448			
		2-SEC RE	CORDS WITHOU	71.20K12	- PERIODS	•	3,103		
			ECORDS (2-s SC			,	4		
		SORT DETE	RECORDS (Test,	CHILDIAUUII, C	,		•		
	2-3EC	1 DET	1,413	72.02%		DET	3	0.15%	
		2 DET	438	22.32%		6 DET	0	0.00%	
		3 DET	95	4.84%		7 DET	0	0.00%	
		4 DET	13	0.66%		8 DET	0	0.00%	
			ETWEEN 2-SEC		16.2	sec			
FRE	QUE	ICY DIST	RIBUTION	1S					
1-GA	TE SOR	TS	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM	FREQ%
DET	r sor	rs freq	,	(#)	(Bq/kg)		(kBq)	(#)	2.20
1	1	36 3.6		0	-231	0.0%	4	45	2.3% 42.7%
Ił .		13 11.3		0	-198	0.0%	8	837 349	17.8%
!		68 16.8		0	-165 -132	0.0% 0.0%	12 16	193	9.8%
11		72 17.2 87 18.7		0 1	-132 -99	0.0%	20	120	6.1%
li .		87 18.7 67 16.7		1	-66	0.1%	24	71	3.6%
11		21 12.1		4	-33	0.4%	28	54	2.8%
		34 3.4		6	0	0.6%	32	39	2.0%
TOTAL		98	2000	2	33	0.2%	36	36	1.8%
			4000	1	66	0.1%	40	19	1.0%
2-GA	TE SOR		6000	3	99	0.3%	44	17	0.9%
DET				6	132	0.6%	48	20 15	1.0% 0.8%
11		73 7.6		2	165	0.2% 1.2%	52 56	8	0.4%
10		33 13.8		12 38	198 231	3.9%	60	8	0.4%
1		81 18.8 82 18.9		99	264	10.3%	64	11	0.6%
1.		82 16.9 89 19.6		208	298	21.6%	68	7	0.4%
1.		28 13.3		247	331	25.6%	72	5	0.3%
1:		78 8.1		214	364	22.2%	76	8	0.4%
TOTAL		64	24000	113	397	11.7%	80	5	0.3%
.0174	_ ,	• •	26000	6	430	0.6%	84	6	0.3%
			>28000	0	0	0.0%	>84	89	4.5%
			TOTAL	963	·		TOTAL	1,962	

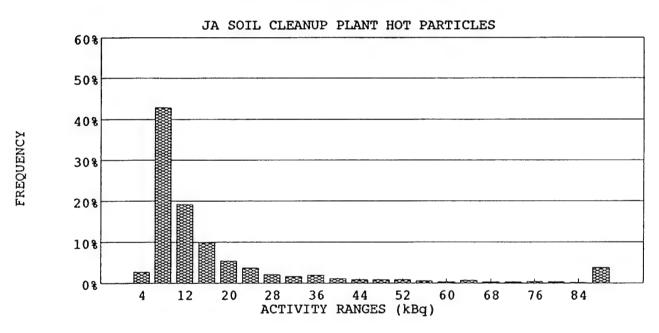


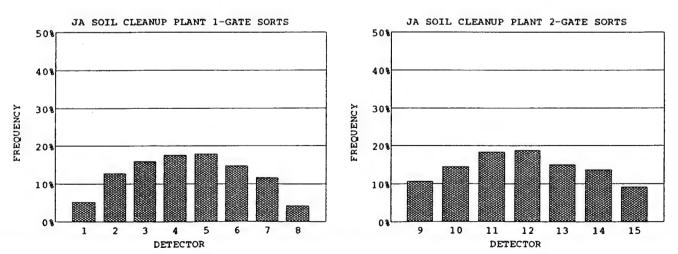




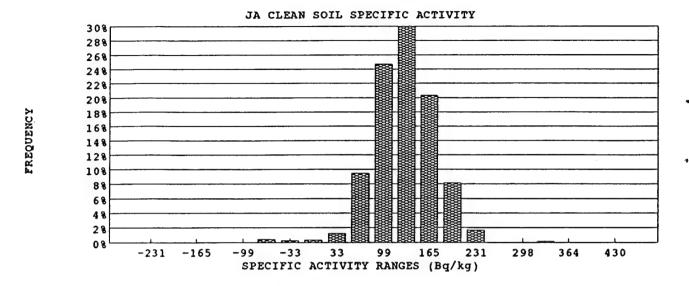
SORT	TER 2						29	-Oct-94		
		ORTER SOIL	DENSITY	1.30 to	ons/m³	E	BACKGROUND		0.76	± 0.06 c/s
SOIL					CONTAM	INATED	CLEAN		TOTA	L
	MASS TO	TAL			23.2	tons	47.4 tons		70.5 t	ons
	MAXIMUI	M/SORT			63.0		60.5 kg			
	MINIMUM				0.8	_	49.9 kg			
ĺ		IN-GROUND		T. C. F.A.	18.4	•	37.5 yd³		55.9 y	d,
A CTTT		RECOVERY (CLEAN/(HO	I+CLEAN))	67.1%	Diapen of	CD . D. D.		
ACIT	VITY				2.22			ED + PART		
	TOTAL I					TCLE	HOT		CLEAN 14,685)	·D.a
	TOTAL MAXIMUI	TROPE			54,928 1,084	•	24,126 kBq 507 kBq		24)	•
	MINIMUM					kBq	0 Bq		-9)	-
	SPECIFIC				•	— 4	1,041 Bq/kg			Bq/kg
SORT										
00111		ROCESS PERI	ODS				1,165		UNEXP	PAUSE
		ALL 80 ELEME		MD>0&M	ND=0)	354	•		TIME	TIME
	1	NONE (AD=0	& MD=0&N	AND>0)	•	171			06:38	06:36
		SOME (AD>08			ND <mndmax< td=""><td>640</td><td></td><td></td><td>11:01</td><td>06:38</td></mndmax<>	640			11:01	06:38
	Ţ	JNEXPLAINE			0					06:39
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			D=0 & MD>		1					
	2 000 00		.D<0 & MD :	>0	0		11 650			
	_	OUNT PERIOD S-SEC RECOR		אר אר		2,506	11,650			
		-SEC RECOR				9,144				
		OCESS RECO				-	3,671			
		CESSING REC				,	3			
		RT DETECTO			,					
	1	DET	1,757	70.11%		5 DET	3	0.12%		
	2	DET	595	23.74%		6 DET	0	0.00%		
		DET	129	5.15%		7 DET	0	0.00%		
		DET	22	0.88%		8 DET	0	0.00%		
EDEC		ETIME BETW			13.3	sec				
1		Y DISTRI			anna .	ED DOG	. com . n	>19 13 d		FDFOM
	TE SORTS	FREQ%	ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DEI	SORTS 66	5.2%	(Bq) -14000	(#) 0	(Bq/kg) -231	0.0%	(kBq)	(#) 68		2.7%
2	161	12.7%	-12000	0	-198	0.0%	8	1,074		42.9%
3	202	15.9%	-10000	0	-165	0.0%	12	479		19.1%
4	223	17.6%	-8000	2	-132	0.2%	16	246		9.8%
5	227	17.9%	-6000	3	-99	0.4%	20	137		5.5%
6	187	14.8%	-4000	2	-66	0.2%	24	93		3.7%
7	148	11.7%	-2000	2	-33	0.2%	28	52		2.1%
8	53	4.2%	0	3	0	0.4%	32	41		1.6%
TOTAL	1,267		2000	1	33	0.1%	36	49		2.0%
			4000	1	66	0.1%	40	27		1.1%
1	TE SORTS	ED EOW	6000	1	99	0.1%	44	22		0.9%
DEL	SORTS	FREQ% 10.7%	8000 10000	2 8	132 165	0.2% 1.0%	48 52	22 22		0.9% 0.9%
9 10	132 180	14.5%	12000	17	198	2.1%	56	14		0.6%
11	227	18.3%	14000	36	231	4.4%	60	9		0.4%
12	232	18.7%	16000	93	264	11.4%	64	17		0.7%
13	186	15.0%	18000	162	298	19.9%	68	8		0.3%
14	169	13.6%	20000	203	331	24.9%	72	8		0.3%
15	113	9.1%	22000	208	364	25.6%	76	10		0.4%
TOTAL	1,239		24000	70	397	8.6%	80	9		0.4%
			26000	0	430	0.0%	84	4		0.2%
			>28000	0	0	0.0%	>84	95		3.8%
			TOTAL	814			TOTAL	2,506		
EVENT	TYPES	HPE	2,424	MPE	979	DISE	27,227			

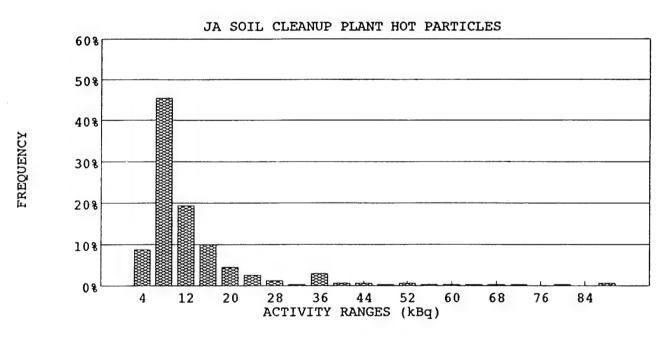


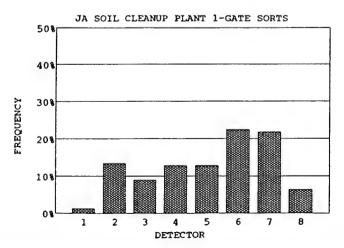


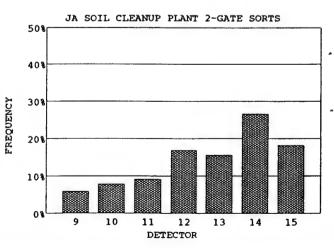


SORT	ER 3						29-	-Oct-94		
		ORTER SOIL	DENSITY	1.30 tor	ıs/m³	В	ACKGROUND			0.09 c
SOIL					CONTAM	IINATED	CLEAN		TOTA	IL.
h	MASS TOT	AL			0.3	tons	68.2 tons		68.5 t	cons
3	MUMIXAN	SORT			4.5	kg	60.5 kg			
7	MINIMUM/	SORT			0.8	kg	56.0 kg			
1	OLUME	N-GROUND			0.2	yd³	54.1 yd ³		54.3	yd³
		ECOVERY (C		T+CLEAN))		99.6%	,		_	
ACTIV							DISPERSE	D + PART	ICLE	
ACII	111				DADT	7.CT F	HOT		CLEAN	
	nom. t				PART					-D-
	TOTAL				3,682		1,037 kBq		7,748	-
	MUMIXAN					kBq	42 kBq		19)	-
_	MINIMUM/				3	kBq	0 Bq		-4)	-
	PECIFIC A	CHVITY					3,728 Bq/kg		114 1	3q/kg
SORT	S									
2	0-SEC PR	OCESS PERI	ODS				1,132		UNEXP	PAUSE
	A	LL 80 ELEME	NTS SORT (MD>0&MN	ID=0)	0			TIME	TIME
		ONE (AD=0			-	962			10:04	None
		OME (AD>08			D <mndmax< td=""><td>170</td><td></td><td></td><td></td><td></td></mndmax<>	170				
		NEXPLAINE			o´					
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			D<0 & MD		0					
2	-SEC COL	JNT PERIOD			v		11,320			
		-SEC RECOR		ORTS		310				
	_	-SEC RECOR				11,010				
7		OCESS RECO			- PERIODS		1,442			
		ESSING REC				')	9			
		T DETECTO		canoration, c	,		,			
-		DET		75.81%		5 DET	0	0.00%		
			66	21.29%		6 DET	0	0.00%		
		DET					0			
		DET	9	2.90%		7 DET	0	0.00%		
		DET	0	0.00%		8 DET	U	0.00%		
		TIME BETW			96.3	sec	 			
FREQ	UENCY	/ DISTRI	ROLION	18						
1-GATI	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	2	1.3%	-14000	0	-231	0.0%	4	27		8.7%
2	21	13.5%	-12000	0	- 198	0.0%	8	141		45.5%
3	14	9.0%	-10000	0	-165	0.0%	12	60		19.4%
4	20	12.8%	-8000	0	-132	0.0%	16	31		10.0%
5	20	12.8%	-6000	0	-99	0.0%	20	14		4.5%
6	35	22.4%	-4000	5	~66	0.4%	24	8		2.6%
7	34	21.8%	-2000	3	-33	0.3%	28	4		1.3%
8	10	6.4%	0	4	0	0.4%	32	1		0.3%
TOTAL -	156		2000	14	33	1.2%	36	9		2.9%
			4000	108	66	9.5%	40	2		0.6%
2-GATI	ESORTS		6000	282	99	24.7%	44	2		0.6%
DET	SORTS	FREQ%	8000	379	132	33.2%	48	1		0.3%
9	9	5.8%	10000	232	165	20.3%	52	2		0.5%
10	12	7.8%	12000	93	198	8.2%	56	1		0.3%
		9.1%	14000	19	231	1.7%	60	1		0.3%
11	14							1		
12	26	16.9%	16000	0	264	0.0%	64	1		0.3%
13	24	15.6%	18000	0	298	0.0%	68	1		0.3%
14	41	26.6%	20000	2	331	0.2%	72	1		0.3%
15 _	28	18.2%	22000	0	364	0.0%	76	0		0.0%
TOTAL	154		24000	0	397	0.0%	80	1		0.3%
			26000	0	430	0.0%	84	0		0.0%
			>28000	0	0	0.0%	>84	2		0.6%
			TOTAL	1,141			TOTAL	310		

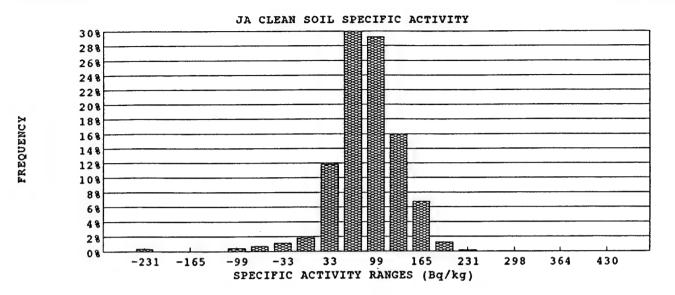


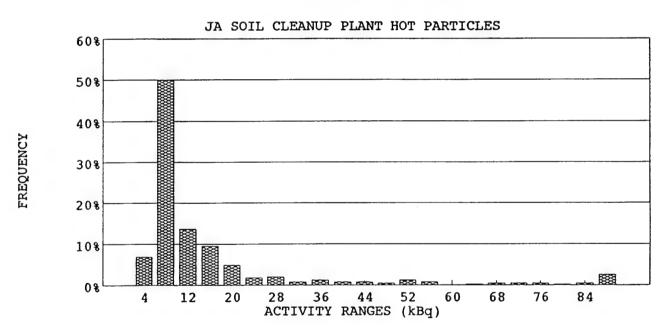


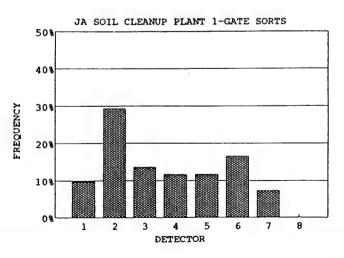


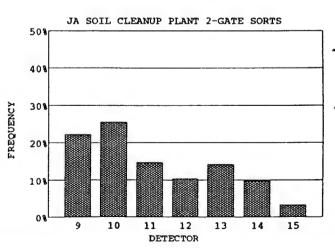


SOR'	TER 4						29	-Oct-94		
		SORTER SOIL	DENSITY	1.30 t	ons/m³		BACKGROUND		0.62 ± 0.01	1 c/s
SOIL					CONTAI	MINATED			TOTAL	
	MASS TO	ΓAL			0.3	tons	67.2 tons		67.5 tons	
	MAXIMU				6.1	kg	60.5 kg			
	MINIMUM					kg	54.5 kg			
		IN-GROUNI		T. ~ ~ ~		yd³	53.3 yd ³		53.5 yd³	
A CTP		RECOVERY (CLEAN/(HO	I+CLEAN))	99.5%				
ACI	VITY							ED + PARTI	CLE	
	TOTAL					TICLE	HOT	(CLEAN	
	TOTAL MAXIMUI	MEORT			7,518	•	1,736 kBq		4,951 kBq	
	MINIMUM				1,002	kBq	387 kBq		13 kBq	
i	SPECIFIC				3	къч	0 Bq 5,225 Bq/kg		-3 kBq 74 Bq/kg	
SOR							JALO DYK		74 Bq/kg	
JOIN.		ROCESS PERI	ODS				1 116	,	DIEVE BALICE	_
		LL 80 ELEMI		MD>08M	ND=0)	0	1,116		JNEXP PAUSI TIME TIME	
		IONE (AD=0			112-0)	912			11ME 11ME 08:07 None	,
					ND <mndmax< td=""><td></td><td></td><td></td><td>10:25</td><td></td></mndmax<>				10:25	
		JNEXPLAINE			0	•			11:01	
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			D=0 & MD>		0			1	12:01	
			D<0 & MD:	>0	0			1	2:23	
		UNTPERIOR		an me		200	11,160	1	12:33	
		-SEC RECOP -SEC RECOP				389				
					0-s PERIODS	10,771	1,505			
		ESSING REC				3)	26			
		RT DETECTO		cunorumon,	0.0)		20			
	1	DET	294	75.58%		5 DET	0	0.00%		
	2	DET	82	21.08%		6 DET	0	0.00%		
	3	DET	13	3.34%		7 DET	0	0.00%		
		DET	0	0.00%		8 DET	0	0.00%		
DD DC		TIME BETW			75.9	sec				
		Y DISTRI	BULION	IS						
	TE SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM	FREQ9	%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	20	9.8%	-14000	4	-231	0.4%	4	27	6.9%	,
2	60	29.3%	-12000	0	-198	0.0%	8	194	49.9%	,
4	28 24	13.7% 11.7%	-10000 -8000	0 0	-165 -132		12	53	13.6%	
5	24	11.7%	-6000	5	-132 -99	0.0% 0.4%	16 20	37 19	9.5%	
6	34	16.6%	-4000	8	-66	0.4%	24	19 7	4.9% 1.8%	
7	15	7.3%	-2000	13	-33	1.1%	28	8	2.1%	
8	0	0.0%	0	21	0	1.8%	32	3	0.8%	
TOTAL	205		2000	135	33	11.8%	36	5	1.3%	
			4000	347	66	30.4%	40	3	0.8%	
	ESORTS		6000	334	99	29.2%	44	3	0.8%	
DET	SORTS	FREQ%	8000	182	132	15.9%	48	2	0.5%	
9	41	22.3%	10000	77	165	6.7%	52	5	1.3%	
10 11	47 27	25.5% 14.7%	12000	14	198	1.2%	56	3	0.8%	
12	19	10.3%	14000 16000	2 0	231 264	0.2% 0.0%	60 64	0	0.0%	
13	26	14.1%	18000	0	298	0.0%	64 68	1 2	0.3%	
14	18	9.8%	20000	0	331	0.0%	72	2	0.5% 0.5%	
15	6	3.3%	22000	0	364	0.0%	76	2	0.5%	
TOTAL	184		24000	o	397	0.0%	80	1	0.3%	
			26000	0	430	0.0%	84	2	0.5%	
			>28000 _	0	0	0.0%	>84	10	2.6%	
			TOTAL	1,142			TOTAL	389	2.0,0	
EVENT	TYPES	HPE	392	MPE	45	DISE	0			







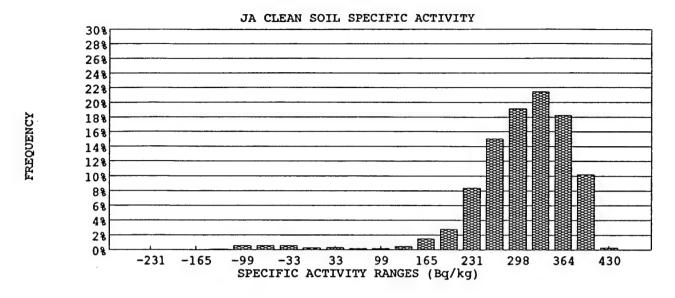


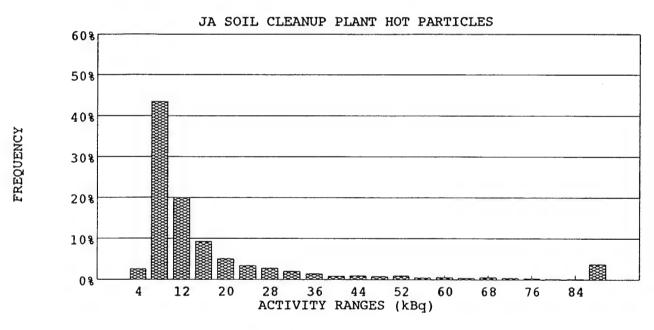
WORK DAY START	06:00 AM	1	WORK DAY E	ND	16:30 PM		
LUNCH START	11:00 AM		TIME LOST DU	IRING LUNCH	0.0 HR		
		SORTER 1	SORTER 2	SORTER 3	SORTER 4	TOTAL	
WORK HOURS		10.5 hr	10.5 hr	10.5 hr	10.5 hr	42.0	hr
SORTER AVAILABLE HO	URS	9.7 hr	9.7 hr	9.8 hr	9.8 hr	39.1	hr
SORTER START-UP		06:45	06:45	06:40	06:40		
START SOIL PROCESSING	3	07:06	07:06	07:09	07:09		
TIME REQUIRED TO STA	RT-UP	0.4 hr	0.4 hr	0.5 hr	0.5 hr	1.7	hr
SORTER SHUT-DOWN		16:29	16:29	16:29	16:29		
END SOIL PROCESSING		16:10	16:18	16:24	16:21		
TIME REQUIRED TO SHU	JT DOWN	0.3 hr	0.2 hr	0.1 hr	0.1 hr	0.7	hr
ACTUAL PROCESS HOUR	ts.	7.8 hr	8.0 hr	8.5 hr	8.2 hr	32.6	hr
DOWN-TIME		1.9 hr	1.7 hr	1.3 hr	1.6 hr	6.5	hr
SYSTEM PAUSE		1.2 hr	1.2 hr	0.7 hr	1.0 hr	4.1	hr
SORTER NONAVAILABLE	ЕТІМЕ	0.8 hr	0.8 hr	0.7 hr	0.7 hr	2.9	hr
AUTHORIZED DELAY TI	ME	0.8 hr	0.8 hr	0.8 hr	0.8 hr	3.0	br
PLANT PERFORMANCE						83.3%	
PRODUCTIVTY					·	77.6%	
PRODUCTIVITY							
Date		31 – Oct –94	Exc	used Delays for d	ay (sorter-hrs)	3	hr
Contract day (from 6 Sep)		349	Exc	used delays for co	ontract (sorter-hrs)	7,238	hr
Current Contract week		59	Exc	used delay days (plant – days)	181	days
			Exc	used delay month	s (plant-month)	6.96	months
Soil production for Day		355 MT					
Cumlative Soil Production for	r Week	355 MT	Pero	cent of contract c	ompleted	60.7%	
Total Soil production for con-	tract		Ton	s Ahead or Behir	nd Schedule	2,050	MT
Since 6 Se	p 93	59,066 MT	Day	s ahead or behind	d schedule	6.5	days
Since 6 Au	ıg 93	60,657 MT					
Total Soil production for proj	ject	86,943 MT	•				

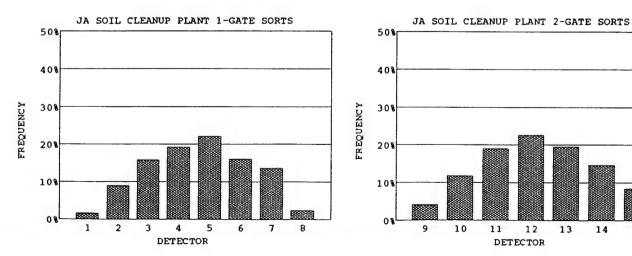
MT = metric tons

SORT	ER 1							31-Oct-94		
		ORTER SOIL	DENSITY	1.30 tor	ns/m³		BACKGROUNI	D	2.35 :	
SOIL					CONTAM	MINATED	CLEAN	I	TOTA	AL.
]	MASS TOT	TAL			12.4	tons	72.6 to		85.0 1	ons
	MAXIMUN				63.0	_	60.5 kg			
	MINIMUM				0.8	_	47.7 kg		67.4	
		IN-GROUND		D. OF EARDS	9.8	•	57.6 yd	P	67.4 y	/a>
		RECOVERY (CLEAN/(HO	(+CLEAN))	85.4%	D. 100		1015	
ACTI	VIIY							RSED + PART	CLEAN	
						TCLE	НОТ			· TD
	TOTAL	4 CODT			59,670	•	18,222 kI 1,070 kI	•	21,630 l 24 l	•
	MAXIMUI MINIMUM	•			2,516	kBq	0 B	-	-71	•
		ACTIVITY			,	KD4	1,467 B	-		Bq/kg
SORT										
		ROCESS PERI	ODS				1,405		UNEXP	PAUSE
•		LL 80 ELEME		MD>0&MN	$\sqrt{D}=0$	175			TIME	TIME
		ONE (AD=0	•		•	454			08:21	07:06
	S	OME (AD>08	k0 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax< td=""><td>776</td><td></td><td></td><td>08:30</td><td>09:38</td></mndmax<></td></md<mn<>	Dmax&MN	D <mndmax< td=""><td>776</td><td></td><td></td><td>08:30</td><td>09:38</td></mndmax<>	776			08:30	09:38
	ι	JNEXPLAINE	D RECORDS	5	0				08:35	13:55
			<ad<1kbq< td=""><td></td><td>6</td><td></td><td></td><td></td><td>10:54</td><td></td></ad<1kbq<>		6				10:54	
			D=0 & MD>		0				11:22	
			D<0 & MD :	>0	0		14.050		15:36	
		UNTPERIOD		AD TIC		2,480	14,050			
	_	-SEC RECOR				11.570				
	_	OCESS RECO			-s PERIODS	-	3,885			
		CESSING REC				-,	15			
		RTDETECTO		,						
	1	DET	1,716	69.19%		5 DET	12	0.48%		
	2	DET	597	24.07%		6 DET	0	0.00%		
	3	DET	129	5.20%		7 DET	0	0.00%		
		DET	26	1.05%		8 DET	0	0.00%		
		TIME BETW			16.4	sec				
	-	Y DISTRI								
	ESORTS		ACT_ND	NUM	SPEC_A	_	-	NUM		FREQ%
	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#) 64		2.6%
1	21	1.7%	-14000	0	-231	0.0%	4			43.5%
2	111	9.0%	-12000 -10000	0 0	-198 -165	0.0% 0.0%	8 12	1,078 493		19.9%
3	196 238	15.8% 19.2%	-10000 -8000	1	-103 -132	0.0%	16	229		9.2%
5	238 274	22.2%	-6000	7	-132 -99	0.1%	20	127		5.1%
6	199	16.1%	-4000	7	-66	0.6%	24	84		3.4%
7	168	13.6%	-2000	7	-33	0.6%	28	68		2.7%
8	30	2.4%	0	3	0	0.2%	32	50		2.0%
TOTAL	1,237		2000	4	33	0.3%	36	35		1.4%
			4000	2	66	0.2%	40	21		0.8%
	ESORTS		6000	2	99	0.2%	44	23		0.9%
DET	SORTS	FREQ%	8000	6	132	0.5%	48	19		0.8% 0.9%
9	51	4.1%	10000	18 34	165 198	1.4% 2.7%	52 56	23 11		0.9%
10	146 236	11.7% 19.0%	12000 14000	34 104	231	8.4%	60	11		0.4%
11 12	230	22.6%	16000	187	264	15.0%	64	9		0.4%
13	243	19.5%	18000	238	298	19.1%	68	14		0.6%
14	182	14.6%	20000	267	331	21.4%	72	9		0.4%
15	104	8.4%	22000	227	364	18.2%	76	8		0.3%
TOTAL	1,243	0.770	24000	127	397	10.2%	80	3		0.1%
	a parto		26000	4	430	0.3%	84	4		0.2%
			>28000	0	0	0.0%	>84	94		3.8%
			TOTAL	1,245	Ü	_,_,	TOTAL	2,480	-	
	TYPES	HPE	2,424	MPE	479	DISE				

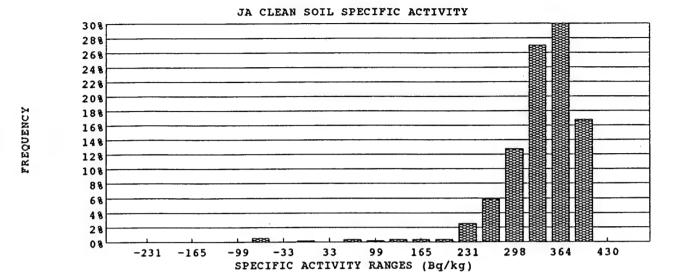
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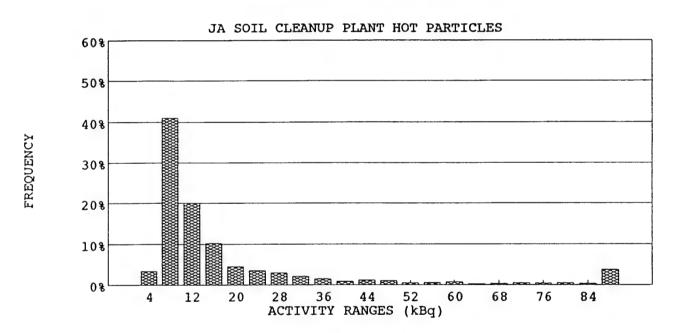


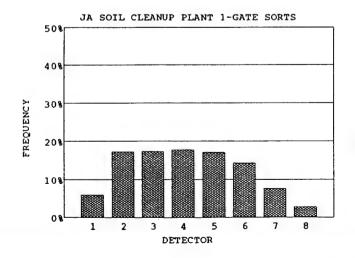


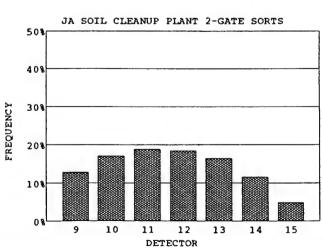


SORT	ER 2							l-Oc1-94		
	SC	ORTER SOIL	DENSITY	1.30 to	ns/m³	В	ACKGROUND		2.53 ±	
SOIL					CONTAM	IINATED	CLEAN		TOTA	
MASS TOTAL						tons	32.0 tons		87.2 to	ons
	MAXIMUM	SORT			63.0	kg	60.5 kg			
MINIMUM/SORT						kg	51.5 kg			
VOLUME IN-GROUND						yd³	25.3 yd³		69.1 y	d³
	WEIGHTR	ECOVERY (CLEAN/(HO	(+CLEAN))	36.7%				
ACTI	VITY						DISPERS	SED + PARTI	CLE	
					PART	ICLE	нот	(CLEAN	
	TOTAL				69,900	kBq	44,168 kBq		10,575 k	:Bq
	MAXIMUM	SORT			2,988	kBq	1,684 kBq		23 k	Вq
	MINIMUM	SORT			3	kBq	0 Bq		-0 k	:Bq
	SPECIFIC A	CTIVITY					800 Bq/k	8	331 E	3q/kg
SORT	`S									
		OCESS PERI	ODS				1,441	Ţ	JNEXP	PAUSE
		LL 80 ELEME		MD>0&MN	$\sqrt{D} = 0$	896			ПМЕ	TIME
		ONE (AD=0			,	130			13:52	07:06
		OME (AD>08			D <mndmax< td=""><td></td><td></td><td></td><td></td><td>09:39</td></mndmax<>					09:39
		NEXPLAINE			0					10:32
			<ad<1kbq &<="" td=""><td></td><td>1</td><td></td><td></td><td></td><td></td><td>13:57</td></ad<1kbq>		1					13:57
			D=0 & MD>		0					
			D<0 & MD :		0					
	2-SEC CO	UNTPERIOD	S				14,410			
	2-	-SEC RECOR	EDS WITH SO	ORTS		2,869				
	2-	-SEC RECOR	DS WITHOU	JT SORTS		11,541				
	TOTAL PR	OCESS RECO	DRDS (2-s SC	ORTS and 20)-s PERIODS	5)	4,310			
		ESSING REC					3			
	2-SEC SOF	T DETECTO	RS							
	1	DET	1,991	69.40%		5 DET	6	0.21%		
	2	DET	684	23.84%		6 DET	0	0.00%		
	3	DET	157	5.47%		7 DET	O	0.00%		
4 DET 31 1.08%						8 DET	0	0.00%		
		TIME BETW			14.5	sec				
FREC	UENCY	Y DISTRI	BUTION	IS						
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)		
1	87	5.9%	-14000	Ò	-231	0.0%	4	96		3.3%
2	253	17.2%	-12000	0	-198	0.0%	8	1,175		41.0%
3	254	17.3%	-10000	0	-165	0.0%	12	573		20.0%
4	261	17.8%	-8000	0	-132	0.0%	16	294		10.2%
5	250	17.0%	-6000	0	-99	0.0%	20	129		4.5%
6	210	14.3%	-4000	3	-66	0.5%	24	101		3.5%
7	112	7.6%	-2000	0	-33	0.0%	28	85		3.0%
8	40	2.7%	0	1	0	0.2%	32	62		2.2%
TOTAL	1,467		2000	0	33	0.0%	36	43		1.5%
			4000	2	66	0.4%	40	25		0.9%
2-GAT	ESORTS		6000	1	99	0.2%	44	35		1.2%
DET	SORTS	FREQ%	8000	2	132	0.4%	48	30		1.0%
9	180	12.8%	10000	2	165	0.4%	52	13		0.5%
10	240	17.1%	12000	2	198	0.4%	56	17		0.6%
11	264	18.8%	14000	14	231	2.6%	60	20		0.7%
12	258	18.4%	16000	32	264	5.8%	64	7		0.2%
13	230	16.4%	18000	70	298	12.8%	68	9		0.3%
14	162	11.6%	20000	148	331	27.0%	72	15		0.5%
15	68	4.9%	22000	179	364	32.7%	76	11		0.4%
TOTAL	1,402		24000	92	397	16.8%	80	13		0.5%
			26000	0	430	0.0%	84	9		0.3%
			>28000	0	0	0.0%	>84	107		3.7%
			TOTAL	548			TOTAL	2,869		

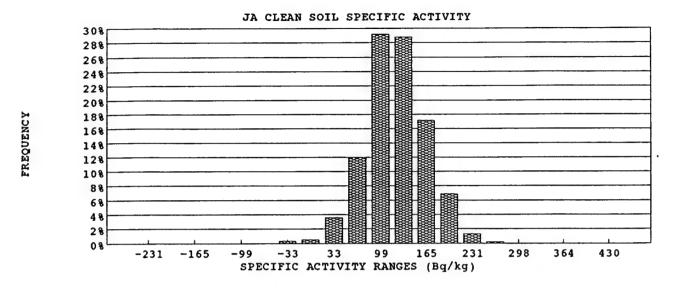


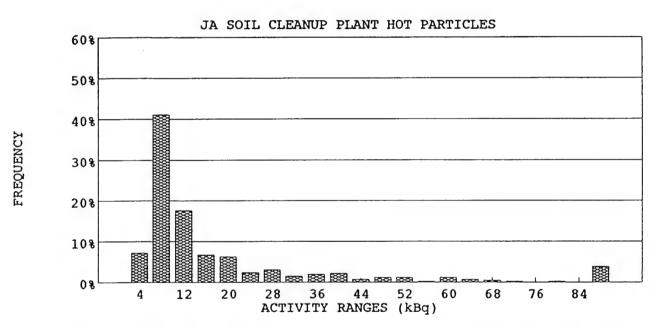


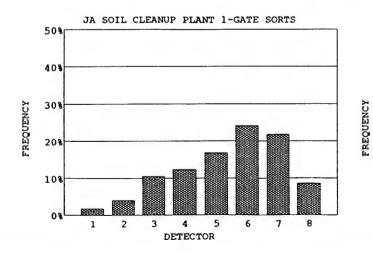


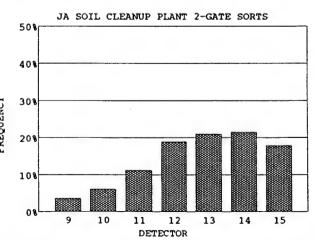


SOIL		ORTER SOIL	DENSITY					-Oct-94			
ł			DEIGHT	1.30 to	ons/m³		BACKGROUND		2.13	0.04 c/s	
t e					CONTAN	MINATED	CLEAN		TOTA	L	
İ	MASS TOT				_	tons	92.5 tons		92.8 t	ons	
	MAXIMUN				5.3	-	60.5 kg				
1	MINIMUM				0.8	-	55.2 kg				
VOLUME IN-GROUND WEIGHT RECOVERY (CLEAN/(HOT+CLEAN))						yd³ 99.6%	73.3 yd ³		73.6 y	7d3	
		ECOVERT	CLEAN/(HU	I+CLEAN	<i>v</i>	99.0%	Diopena				
ACTI	VIII				DAD	BO F		ED + PART			
	TOTAL					TICLE	HOT		CLEAN		
	TOTAL MAXIMUM	USOPT.			8,658 836	kBq	2,318 kBq 466 kBq		9,746)	-	
ŀ	MINIMUM					kBq	0 Bq			6 kBq 2 kBq	
	SPECIFIC A				_	~~~~	6,462 Bq/kg			3q/kg	
SORT											
		OCESS PERI	2dO				1,534		UNEXP	PAUSE	
		LL 80 ELEME		MD>0&M	ND=0)	0	- PT-100		TIME	TIME	
		ONE (AD=0				1,315			08:20	09:53	
					ND <mndmax< td=""><td>•</td><td></td><td></td><td>10:35</td><td>14:08</td></mndmax<>	•			10:35	14:08	
		NEXPLAINE			0				11:20		
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		Α	D=0 & MD>	0	0						
			D<0 & MD :	>0	0						
		UNTPERIOD					15,340				
		-SEC RECOR				416					
		-SEC RECOR			O a DEDIODS	14,924	1.050				
		ESSING REC	•		0-s PERIODS	>)	1,950 6				
		T DETECTO	•	canoration,	cicy		· ·				
		DET		69.71%		5 DET	0	0.00%			
		DET	99	23.80%		6 DET	0	0.00%			
	3	DET	25	6.01%		7 DET	0	0.00%			
4 DET 2 0.48%						8 DET	0	0.00%			
		TIME BETW			105.8	sec					
FREQ	UENCY	/ DISTRI	BUTION	IS							
1-GAT	ESORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%	
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)		(kBq)	(#)			
1	4	1.8%	-14000	0	-231	0.0%	4	30		7.2%	
2	9	4.1%	-12000	0	-198	0.0%	8	171		41.1%	
3	23	10.5%	-10000	0	-165	0.0%	12	73		17.5%	
4	27	12.3%	-8000	0	-132	0.0%	16	28		6.7%	
5	37 53	16.8%	-6000	0	-99	0.0%	20	26		6.3%	
6 7	53 48	24.1% 21.8%	-4000 -2000	0 5	-66 -33	0.0% 0.3%	24 28	10 13		2.4% 3.1%	
8	19	8.6%	-2000	8	-33	0.5%	32	6		1.4%	
TOTAL	220	0.075	2000	55	33	3.6%	36	8		1.4%	
			4000	185	66	12.0%	40	9		2.2%	
2-GAT	ESORTS		6000	450	99	29.2%	44	3		0.7%	
DET	SORTS	FREQ%	8000	444	132	28.8%	48	5		1.2%	
9	7	3.6%	10000	264	165	17.1%	52	5		1.2%	
10	12	6.1%	12000	106	198	6.9%	56	1		0.2%	
11	22	11.2%	14000	20	231	1.3%	60	5		1.2%	
12	37	18.9%	16000	3	264	0.2%	64	3		0.7%	
13	41	20.9%	18000	0	298	0.0%	68	2		0.5%	
14	42	21.4%	20000	0	331	0.0%	72 76	1		0.2%	
15 _	35 196	17.9%	22000 24000	0	364 397	0.0%	76 80	0		0.0%	
TOTAL	190			0	430	0.0% 0.0%	80 84	1 0		0.2 <i>%</i> 0.0%	
TOTAL			.)V(AA)								
TOTAL			26000 >28000								
TOTAL			>28000 >28000 _ TOTAL	0 1,540	0	0.0%	>84 TOTAL	16 416		3.8%	

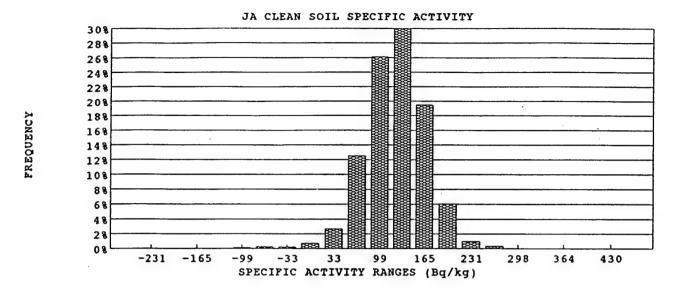


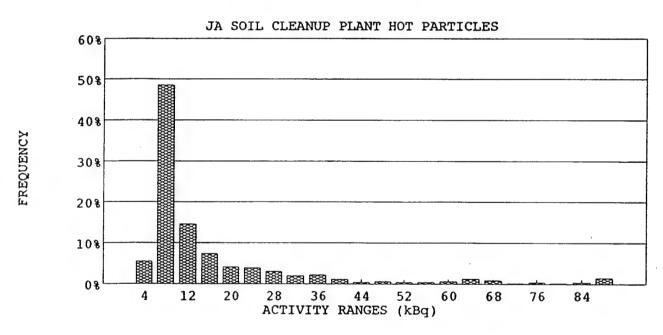


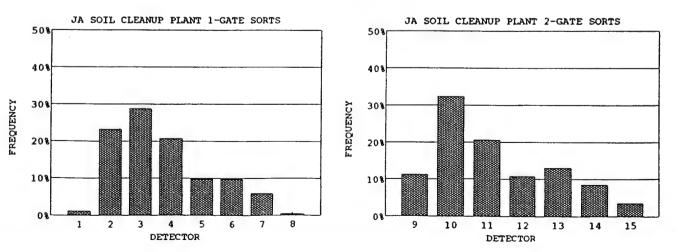




SORTI	ED A						31	-Oct-94		
SOKII		ORTER SOIL I	DENSITY	1.30 ton	ns/m³	В	ACKGROUND		2.29 ±	0.09 c/s
SOIL					CONTAM	INATED	CLEAN		TOTA	L
	AASS TOTA	AL			0.6	tons	89.1 tons		89.7 t	ons
	MUMIXAN				63.0 1	kg	60.5 kg			
У	AINIMUM/	SORT			0.8 1	kg	56.0 kg			
		N-GROUND			0.5		70.6 yd³		71.1 yd ³	
V	WEIGHT R	ECOVERY (C	LEAN/(HOT	+CLEAN))	99.3%				
ACTIV	/ITY							SED + PARTIC		
					PART		нот	_	LEAN	n.
	TOTAL				6,866	•	1,746 kBq		9,538 k 15 k	•
	MUMIXAN				171	kBq kBq	57 kBq 0 Bq		-7 k	•
	MINIMUM/ SPECIFIC A				3	коч	2,814 Bq/k	g	107 I	-
		CHVIII						Δ		
SORT		OCESS PERIO	פמר				1,483	υ	NEXP	PAUSE
2		LL 80 ELEME		MD>0&MN	(D=0)	4	2,703	_	IME	TIME
		ONE (AD=0 &			,	1,249		0	9:15	07:47
	SC	OME (AD>0&	0 <md<mn< td=""><td>Dmax&MN</td><td>D<mndmax)< td=""><td></td><td></td><td>0</td><td>9:39</td><td>08:14</td></mndmax)<></td></md<mn<>	Dmax&MN	D <mndmax)< td=""><td></td><td></td><td>0</td><td>9:39</td><td>08:14</td></mndmax)<>			0	9:39	08:14
		NEXPLAINE			o´				1:17	09:53
			AD<1kBq &		6				2:43	14:07
		A	D=0 & MD>	0	0				6:08	
			D<0 & MD >	0	0		14.000	1	6:18	
2		JNT PERIOD				450	14,830			
		-SEC RECOR				459 14,371				
١ .		SEC RECOR			- PERIODS	•	1,942			
	MONDE OC	ESSING RECO	ORDS (Z=3 SC	calibration.	eic)	"	8			
		T DETECTO		canoration, (,					
•		DET	335	72.98%		5 DET	1	0.22%		
	2	DET	99	21.57%		6 DET	0	0.00%		
	3	DET	20	4.36%		7 DET	0	0.00%		
4 DET 4 0.87%					8 DET	0	0.00%			
		TIME BETW			88.5	sec				
FREQ	UENC	Y DISTRI								77 77 C C
	E SORTS		ACT_ND	NUM	SPEC_A	FREQ%	ACT_P	NUM		FREQ%
DET	SORTS	FREQ%	(Bq)	(#)	(Bq/kg)	0.00	(kBq)	(#) 25		5.4%
1	3	1.3%	-14000	0	-231	0.0% 0.0%	8	223		48.6%
2	55	23.3%	-12000 10000	0 0	-198 -165	0.0%	12	67		14.6%
3	68 49	28.8% 20.8%	-10000 -8000	0	-132	0.0%	16	34		7.4%
5	23	9.7%	-6000	2	-99	0.1%	20	19		4.1%
6	23	9.7%	-4000	4	-66	0.3%	24	18		3.9%
7	14	5.9%	-2000	3	-33	0.2%	28	14		3.1%
8	1	0.4%	0	11	0	0.7%	32	9		2.0%
TOTAL	236		2000	40	33	2.7%	36	10		2.2%
			4000	186	66	12.5%	40 44	5 2		1.1% 0.4%
1	ESORTS	LD LV W	6000	388	99 132	26.1% 30.5%	44	3		0.4%
DET	SORTS	FREQ%	8000 10000	453 · 290	165	30.5% 19.5%	52	2		0.4%
9 10	25 72	11.2% 32.3%	12000	90	198	6.1%	56	2		0.4%
11	46	20.6%	14000	15	231	1.0%	60	3		0.7%
12	24	10.8%	16000	5	264	0.3%	64	6		1.3%
13	29	13.0%	18000	0	298	0.0%	68	4		0.9%
14	19	8.5%	20000	0	331	0.0%	72	1		0.2%
15	8	3.6%	22000	0	364	0.0%	76	2		0.4%
TOTAL	223		24000	0	397	0.0%	80	1		0.2%
			26000	0	430		84	2		0.4% 1.5%
			>28000	0	0	0.0%	>84 TOTAL	459		170
MAIN AMAR 8800 -	es en en	une	TOTAL	1,487	20	DISE	323	4.17		
EVENT	IYPES	HPE	457	MPE	39	DISE	343			







C-253/C-254

APPENDIX D

AUTHORIZED DELAYS

Table D-1. Johnston Atoll Plutonium Contaminated Soil Cleanup Project - Authorized Delays.

													Sorter Hrs
Project Total 125.4	260.0	380.0	608.5	848.5	1,088.5	1,328.5	1,568.5	1,808.5	2,048.5	2,288.5	2,401.3	2,424.5	2,427.5
Total	134.6	120.0	228.5	240.0	240.0	240.0	240.0	240.0	240.0	240.0	112.8	23.2	
Weekly													
Saturday 20.0	20.0	18.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	0.0	0.0	
	33.4	20.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	0.0	0.0	
Thursday 24.0	20.8	20.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	5.8	2.4	
Wednesday 20.0	20.0	20.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	27.0	20.8	
	20.4	21.0	33.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	0.0	
Monday 7 20.0	20.0	21.0	35.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	0.0	3.0
Week Ending Monday Tuesday 07-Aug-94 20.0 21.4	14-Aug-94	21-Aug-94	28-Aug-94	03-Sep-94	11-Sep-94	18-Sep-94	25-Sep-94	02-Oct-94	09-oct-94	16-0ct-94	23-Oct-94	30-0ct-94	31-Oct-94

19,238 Excused Quota 25,017 Regular Quota 5,779 Adjusted Quota 6,129 Qrtr Production

607 Regular Hrs

APPENDIX E

ACRONYMS AND SYMBOLS

AC	-	Cumulative activity present in soil which was
		found to meet the release criteria
ACT ND	-	Activity Not Diverted
ACT P	_	Activity Plutonium
HA	-	Total activity diverted - due to distributed
		contamination present in the soil in excess of 500
		Bq/kg
ALARA	_	As Low As Reasonable Achievable
AP	_	Total activity diverted - due to particles present
		in the soil which exceeded 5,000 Bq
BKG	-	Background
Bq	_	Bequerels
CFM	-	Cubic Feet Per Minute
cpm	-	Counts Per Minute
DISE	_	Distributed Event
DNA	-	Defense Nuclear Agency
dps	_	Disintegrations Per Second
FCJ	_	Field Command, Johnston Atoll
FIDLER	=	Field Instrument for Detection of Low Energy
		Radiation
HPE	-	Hot Particle Event
JA	_	Johnston Atoll
KeV	-	Kilo Electron Volts
kg	-	Kilogram
LE-1		Launch Emplacement One
LE-2	-	Launch Emplacement Two
ml	-	Milliliter
MPE	-	Multiple Particle Event
mt	-	Metric Tons
PHA	-	Pulse Height Amplitude
PPE	-	Personal Protective Equipment
QC	-	Quality Control
RCA	-	Radiologically Controlled Area
RSN	-	Raytheon Services Nevada
SA	-	Specific Activity, Bequerels Per Kilogram
SH	-	Sorter-Hours
SPEC_A	-	Specific Activity
TRU	-	Transuranic
WR	-	Percent Weight Reduction
WS1	-	Weigh Scale, Unit 1 & 2 Grizzly Feed Belt
WS2	-	Weigh Scale, Unit 1 & 2 Sorter Feed Belt
WS3	-	Weigh Scale, Unit 1 & 2 Clean Soil Belt
WS4	-	Weigh Scale, Unit 1 & 2 Diverted Soil Belt
WS5	-	Weigh Scale, Unit 3 & 4 Sorter Feed Belt
WS6	-	Weigh Scale, Unit 3 & 4 Clean Soil Belt
WS7	-	Weigh Scale, Unit 3 & 4 Diverted Soil Belt
WS8	-	Weigh Scale, Wet-End Feed Belt

APPENDIX F

DEFINITIONS

Authorized Delay -

Time during the normal 60 hour work specified in the contract in which soil processing is not accomplished due to circumstances beyond the control of the contractor, as approved by DNA.

These include, but are not limited to :

Inclement weather,
Plant modifications requested by DNA,
Plant testing required by DNA, and
Lack of government furnished equipment or
services as specified in the contract.

Becquerel

- A unit in the International System of Units (SI) for the measurement of radioactivity equivalent to one Transformation Per Second.

Clean Soil

Soil which has been verified to contain less than 500 Bq/kg total TRU activity averaged over .1 m³ of soil and no discrete radioactive particle of 5000 Bq or more.

Down-Time

- Time during the normal 60 hour work week specified in the contract in which soil processing is not accomplished due to plant maintenance or repair. Normal start-up and shutdown and Authorized Delay Time does not count as Down-Time. The contract requires that Down-Time be maintained less than 40%.

Hot Particle

- An individual particle whose activity level is 5000 Bq or greater.

Transuranic

- Element with an atomic number higher than that of Uranium (e.g. Plutonium, Americium).

2-Second Sort Detection

- When a hot particle passes underneath a detector, the detector generates a signal to the computer, which in turn activates one of the eight diversion chutes for two seconds, as required by the Segmented Gate System.

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DSWA-TR-95-102

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